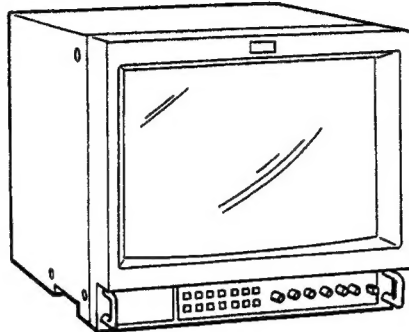


# PVM-1350/1351Q/1354Q

## SERVICE MANUAL

*US Model*  
*Canadian Model*



PVM-1350

Chassis No. SCC-G61D-A

PVM-1351Q

Chassis No. SCC-G61C-A

PVM-1354Q

Chassis No. SCC-G61B-A

### SPECIFICATIONS (PVM-1351Q/1354Q)

#### Video signal

Color system	PAL, SECAM, NTSC <sub>3.58</sub> , NTSC <sub>4.43</sub>
Resolution	600 TV lines (PVM-1354Q) 450 TV lines (PVM-1351Q)
Aperture correction	0dB - +6.0dB
Frequency response	LINE 9.0MHz (-3 dB) RGB 10.0 MHz (-3 dB)
Synchronization	AFC time constant 1.0 msec.

#### Picture performance

Normal scan	7% over scan of CRT effective screen area
Underscan	5% underscan of CRT effective screen area
H. linearity	Less than 8.0% (typical)
V. linearity	Less than 7.0% (typical)
Convergence	Central area: 0.6 mm (typical) Peripheral area: 0.8 mm (typical)
Raster size stability	H: 1.0%, V: 1.5%
High voltage regulation	3.5%
CRT	SMPTE-C phosphor (PVM-1354Q) P22 phosphor (PVM-1351Q)
Color temperature	6,500K/9,300K (+8MPCD), selectable USER (3200K-10000K, factory setting is 6500K)

#### Inputs and Outputs

Inputs	Y/C IN: 4-pin mini DIN connector (See the pin assignment on the next page.) VIDEO IN: BNC connector
--------	---

1Vp-p  $\pm$ 6dB, sync negative  
AUDIO IN: phono jack, -5dBs, more than 47k ohms  
R/R-Y, G/Y, B/B-Y IN: BNC connector  
R, G, B channels: 0.7 Vp-p,  $\pm$ 6dB  
Sync on green: 0.3 Vp-p, negative, 75 ohms terminated  
R-Y, B-Y channels: 0.7 Vp-p,  $\pm$ 6 dB  
Y channel: 0.7 Vp-p,  $\pm$ 6dB  
(Standard color bar signal of 75% chrominance)  
EXT SYNC IN: BNC connector  
Composite sync 4 Vp-p,  $\pm$ 6dB, negative

#### Loop-through outputs

Y/C OUT: 4-pin mini DIN connector  
VIDEO OUT: BNC connector, 75 ohms terminated  
AUDIO OUT: phono jack  
R/R-Y, G/Y, B/B-Y OUT: BNC connector, 75 ohms terminated  
EXT SYNC OUT: BNC connector, 75 ohms terminated  
REMOTE: 20-pin connector (See the pin assignment on the next page.)  
Output level 0.8 W

#### Remote input

#### Speaker output

- Continued on page 2 -



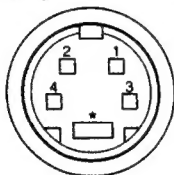
TRINITRON® COLOR VIDEO MONITOR  
**SONY®**

## General

Power consumption	Approx. 99 Wh (incl. SDI) Approx. 90 Wh (without. SDI)
Power requirements	120 V AC, 50/60 Hz
Operating temperature range	0 – 35 °C
Storage temperature range	–10 – +40 °C
Humidity	0 – 90%
Dimensions	Approx. 346 × 340 × 411.5 mm (w/h/d) (13 5/8 × 13 1/2 × 16 1/4 inches) not incl. projecting parts and controls
Mass	Approx. 16.7 kg (36 lb 14 oz)
Accessory supplied	AC power cord (1) AC plug holder (1) Tally label (1) Cable with a 20-pin connector (1)

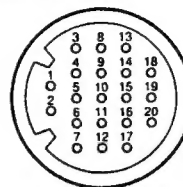
## Pin assignment

### Y/C IN connector (4-pin mini DIN)



Pin No.	Signal	Description
1	Y-input	1 Vp-p, sync negative, 75 ohms
2	CHROMA sub-carrier-input	300 mVp-p, burst Delay time between Y and C: within 0±100 nsec., 75 ohms
3	GND for Y-input	GND
4	GND for CHROMA-input	GND

### REMOTE connector (20-pin)



Pin No.	Signal	Wire color
1	Blue only	Brown
2	H/V DELAY	Red
3	MAIN/SUB*	Orange
4	EXT SYNC	Yellow
5	DEGAUSS	Green
6	R ch ON/OFF*	Blue
7	TALLY	Purple
8	LINE B	Grey
9	GND	White
10	GND	Black
11	GND	Pink
12	GND	Light Blue
13	LINE A	Spiral Orange
14	LINE/RGB	Spiral Yellow
15	GND	Spiral Green
16	L ch ON/OFF*	Spiral Blue
17	REMOTE	Spiral Purple
18	LINE C	Spiral Grey
19	UNDER SCAN	Spiral Pink
20	16:9	Spiral Light Blue

(\* For digital audio control)

## SPECIFICATIONS (PVM-1350)

## Video signal

Color system	NTSC
Resolution	450 TV lines
Aperture correction	0 dB – +6.0 dB
Frequency response	LINE 9.0 MHz (–3 dB) RGB 10.0 MHz (–3 dB)
Synchronization	AFC time constant 1.0 msec.

## Picture performance

Normal scan	7% over scan of CRT effective screen area
H. linearity	Less than 8.0% (typical)
V. linearity	Less than 7.0% (typical)
Raster size stability	H: 1.0%, V: 1.5%
High voltage regulation	3.5%
CRT	P22 phosphor
Color temperature	6,500K

## Inputs and Outputs

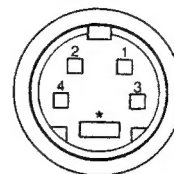
Inputs	Y/C IN: 4-pin mini DIN connector (See the pin assignment below.) VIDEO IN: BNC connector 1Vp-p $\pm$ 6 dB, sync negative AUDIO IN: phono jack, –5 dBs, more than 47k ohms R, G, B IN: BNC connector 0.7 Vp-p, $\pm$ 6 dB Sync on green: 0.3 Vp-p, negative, 75 ohms terminated RGB SYNC IN: BNC connector Composite sync 4 Vp-p, $\pm$ 6 dB, negative
Loop-through outputs	Y/C OUT: 4-pin mini DIN connector VIDEO OUT: BNC connector, 75 ohms terminated AUDIO OUT: phono jack
Speaker output	Output level 0.8 W

## General

Power consumption	Approx. 90 Wh
Power requirements	120 V AC, 50/60 Hz
Operating temperature range	0 – 35 °C
Storage temperature range	–10 – +40 °C
Humidity	0 – 90%
Dimensions	Approx. 346 × 340 × 411.5 mm (w/h/d) (13 <sup>5</sup> / <sub>8</sub> × 13 <sup>1</sup> / <sub>2</sub> × 16 <sup>1</sup> / <sub>4</sub> inches) not incl. projecting parts and controls
Mass	Approx. 16.7 kg (36 lb 14 oz)
Accessory supplied	AC power cord (1) AC plug holder (1)

## Pin assignment

## Y/C IN connector (4-pin mini DIN)



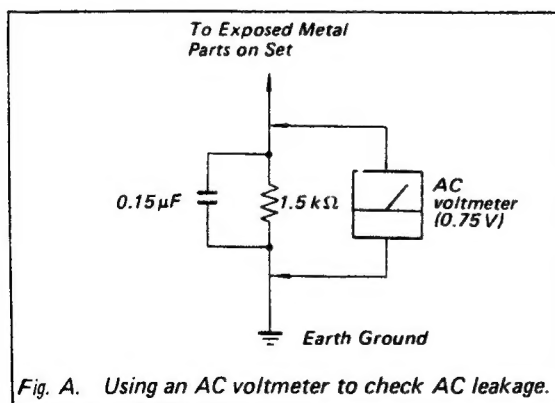
Pin No.	Signal	Description
1	Y-input	1 Vp-p, sync negative, 75 ohms
2	CHROMA sub-carrier-input	300 mVp-p, burst Delay time between Y and C: within 0 $\pm$ 100 nsec., 75 ohms
3	GND for Y-input	GND
4	GND for CHROMA-input	GND

Design and specifications are subject to change without notice.

## SAFETY CHECK-OUT (US Model Only)

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

1. Check the area of your repair for unsoldered or poorly-soldered connections. Check the entire board surface for solder splashes and bridges.
2. Check the interboard wiring to ensure that no wires are "pinched" or contact high-wattage resistors.
3. Check that all control knobs, shields, covers, ground straps, and mounting hardware have been replaced. Be absolutely certain that you have replaced all the insulators.
4. Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.
5. Look for parts which, though functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.
6. Check the line cord for cracks and abrasion. Recommend the replacement of any such line cord to the customer.
7. Check the condition of the monopole antenna (if any).  
Make sure the end is not broken off, and has the plastic cap on it. Point out the danger of impalement on a broken antenna to the customer, and recommend the antenna's replacement.
8. Check the B+ and HV to see they are at the values specified. Make sure your instruments are accurate; be suspicious of your HV meter if sets always have low HV.
9. Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.



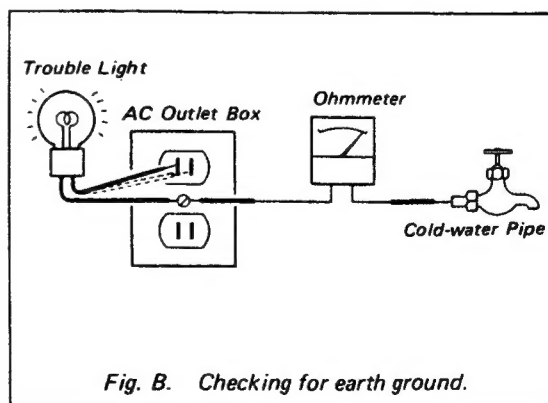
### LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microampers). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)

### HOW TO FIND A GOOD EARTH GROUND

A cold-water pipe is guaranteed earth ground; the cover-plate retaining screw on most AC outlet boxes is also at earth ground. If the retaining screw is to be used as your earth-ground, verify that it is at ground by measuring the resistance between it and a cold-water pipe with an ohmmeter. The reading should be zero ohms. If a cold-water pipe is not accessible, connect a 60–100 watts trouble light (not a neon lamp) between the hot side of the receptacle and the retaining screw. Try both slots, if necessary, to locate the hot side of the line, the lamp should light at normal brilliance if the screw is at ground potential. (See Fig. B)





## TABLE OF CONTENTS

Section	Title	Page	Section	Title	Page
<b>1. GENERAL</b>			<b>6. DIAGRAMS</b>		
1-1. General of PVM-1351Q/1354Q .....		6	6-1. Block Diagrams (1) .....		43
1-2. General of PVM-1350 .....		14	Block Diagrams (2) .....		48
<b>2. DISASSEMBLY</b>			6-2. Frame Schematic Diagram .....		53
2-1. Top Cover and Rear Cover Removal .....		20	6-3. Circuit Boards Location .....		55
2-2. Terminal Board Removal .....		20	6-4. Printed Wiring Boards and Schematic Diagrams .....		55
2-3. Picture Tube Removal .....		21	• A Board (1/3) .....		63
<b>3. SET-UP ADJUSTMENTS</b>			• A Board (2/3) .....		70
3-1. Preparations .....		22	• A Board (3/3) .....		73
3-2. Writing Model Data .....		24	• Q Board .....		78
3-3. Picture Output .....		24	• G Board .....		80
3-4. Landing Adjustment .....		24	• S Board .....		82
3-5. Convergence Adjustment .....		25	• J Board .....		82
3-6. Deflection Yoke Neck Rotation Adjustment .....		26	• X Board .....		82
3-7. G2 Adjustment .....		27	• H Board .....		82
3-8. White Balance Adjustment .....		27	• C Board .....		83
3-9. Blue-Only White Balance Adjustment .....		28	6-5. Semiconductors .....		89
3-10. Sub Brt Adjustment .....		28	<b>7. EXPLODED VIEWS</b>		
3-11. Focus Adjustment .....		28	7-1. Chassis .....		91
<b>4. SAFETY RELATED ADJUSTMENT</b> .....		29	7-2. Picture Tube .....		92
<b>5. CIRCUIT ADJUSTMENTS</b>			<b>8. ELECTRICAL PARTS LIST</b> .....		93
5-1. A Board Adjustments .....		31			
5-2. G Board Adjustment .....		41			

## (CAUTION)

SHORT CIRCUIT THE ANODE OF THE PICTURE TUBE AND THE ANODE CAP TO THE METAL CHASSIS, CRT SHIELD, OR CARBON PAINTED ON THE CRT, AFTER REMOVING THE ANODE.

## WARNING!!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS.  
THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

## SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARK  $\Delta$  ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL TO SAFE OPERATION ARE IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.

## (ATTENTION)

APRES AVOIR DECONNECTE LE CAP DE L'ANODE, COURT-CIRCUITER L'ANODE DU TUBE CATHODIQUE ET CELUI DE L'ANODE DU CAP AU CHASSIS METALLIQUE DE L'APPAREIL, OU AU COUCHE DE CARBONE PEINTESUR LE TUBE CATHODIQUE OU AU BLINDAGE DU TUBE CATHODIQUE.

## ATTENTION!!

AFIN D'EVITER TOUT RISQUE D'ELECTROCUTION PROVENANT D'UN CHASSIS SOUS TENSION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISE LORS DE TOUT DEPANNAGE.  
LE CHASSIS DE CE RECEPTEUR EST DIRECTEMENT RACCORDE A L'ALIMENTATION SECTEUR.

## ATTENTION AUX COMPOSANTS RELATIFS A LA SECURITE!!

LES COMPOSANTS IDENTIFIES PAR UNE TRAME ET PAR UNE MAPQUE  $\Delta$  SUR LES SCHEMAS DE PRINCIPE, LES VUES EXPLOSEES ET LES LISTES DE PIECES CONTIENNENT D'UNE IMPORTANCE CRITIQUE POUR LA SECURITE DU FONCTIONNEMENT. NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMERO DE PIECE EST INDIQUE DANS LE PRESENT MANUEL OU DANS DES SUPPLEMENTS PUBLIES PAR SONY. LES REGLAGES DE CIRCUIT DONT L'IMPORTANCE EST CRITIQUE POUR LA SECURITE DU FONCTIONNEMENT SONT IDENTIFIES DANS LE PRESENT MANUEL. SUIVRE CES PROCEDURES LORS DE CHAQUE REMPLACEMENT DE COMPOSANTS CRITIQUES, OU LORSQU'UN MAUVAIS FONCTIONNEMENT EST SUSPECTE.

## SECTION 1 GENERAL

The operating instructions mentioned here are partial abstracts from the Operating Instruction Manual. The page numbers of the Operating Instruction Manual remain as in the manual.

### 1-1. GENERAL OF PVM-1351Q/1354Q

## Features

#### HR (High Resolution) Trinitron picture tube

HR Trinitron tube provides a high resolution picture. Horizontal resolution is more than 600 (PVM-1354Q/1954Q) or 450 (PVM-1351Q) TV lines at the center of the picture.

#### Four color systems available

The monitor can display PAL, SECAM, NTSC<sub>3.58</sub> and NTSC<sub>4.43</sub>\* signals. The appropriate color system is selected automatically.

\* A signal of NTSC<sub>4.43</sub> is used for playing back NTSC recorded video cassettes with a video tape recorder/player especially designed for use with this system.

#### Blue only mode

In the blue only mode, an apparent monochrome display is obtained with all three cathodes driven with a blue signal. This facilitates color saturation and phase adjustments and observation of VCR noise.

#### Analog RGB/component input connectors

Analog RGB or component (Y, R-Y and B-Y) signals from video equipment can be input through these connectors.

#### Y/C input connectors

The video signal, split into the chrominance signal (C) and the luminance signal (Y), can be input through this connector, eliminating the interference between the two signals, which tends to occur in a composite video signal, assuring video quality.

#### Beam current feedback circuit

The built-in beam current feedback circuit assures stable white balance.

#### Comb filter

When NTSC video signals are received, a comb filter activates to increase the resolution, resulting in fine picture detail without color spill or color noise.

#### Automatic termination

##### (connector with mark only)

The input connector is terminated at 75 ohms inside when no cable is connected to the loop-through output connectors. When a cable is connected to an output connector, the 75-ohms termination is automatically released.

#### Underscan mode

The signal normally scanned outside of the screen can be monitored in the underscan mode.

#### Note

When the monitor is in the underscan mode, the dark RGB scanning lines may appear on the top edge of the screen. These are caused by an internal test signal, rather than the input signal.

#### Horizontal/vertical delay mode

The horizontal and vertical sync signals can be checked simultaneously in the H/V delay mode.

#### External sync input

When the EXT SYNC selector is in the on position, the monitor can be operated on the sync signal supplied from an external sync generator.

#### Auto/manual degaussing

Degaussing of the screen can be performed automatically when the power is turned on, or manually by pressing the DEGAUSS button.

#### On-screen menus

You can set color temperature, CHROMA SET UP, and other settings by using the on-screen menus.

#### Five menu languages

You can select the menu language from among the five languages on the menu.

#### EIA standard 19-inch rack mounting

By using an MB-502B (for PVM-1354Q/1351Q) or SLR-103 (for PVM-1954Q) mounting bracket (not supplied), the monitor can be mounted in an EIA standard 19-inch rack. For details on mounting, see the instruction manual of the mounting bracket kit.

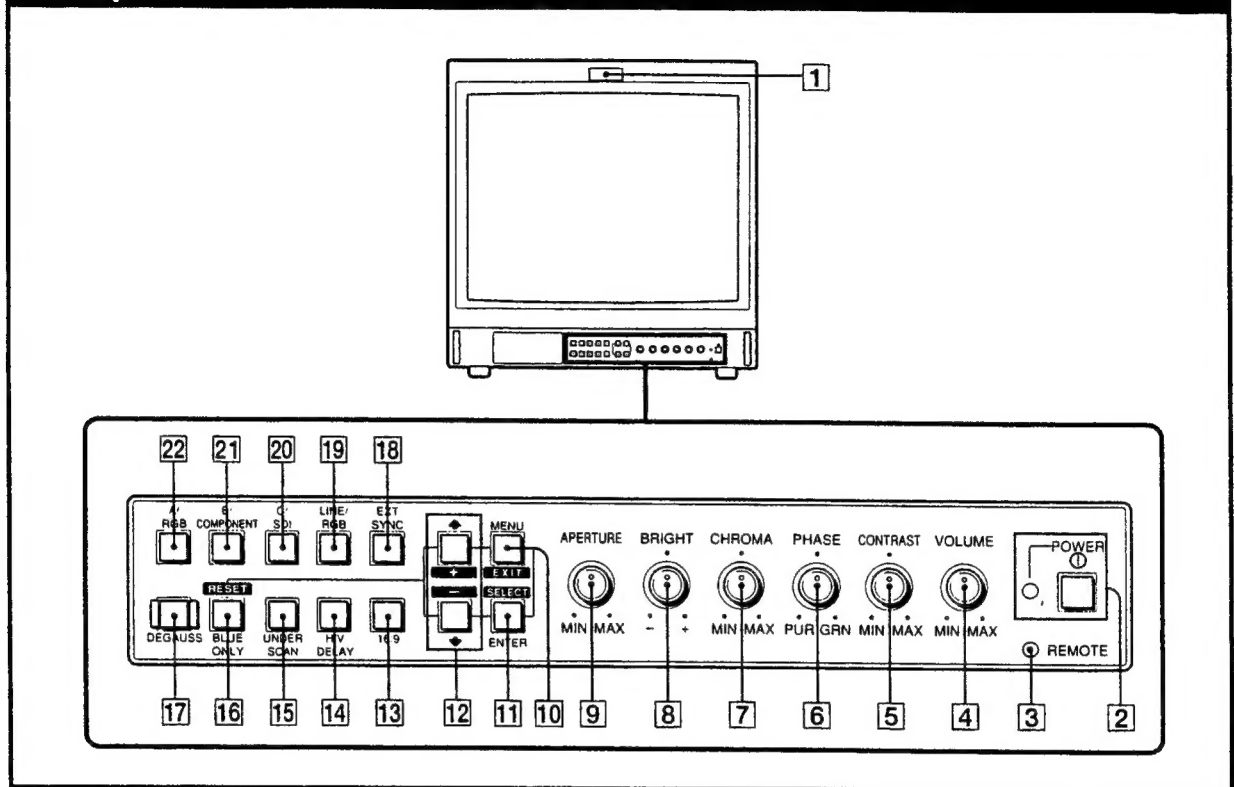
#### SDI (Serial Digital Interface) kit

By using SDI kit, the monitor can display SMPTE 259M 4:2:2 serial digital signal from a digital VTR. (ex. Sony 4:2:2 VTR)

SDI kit: 4:2:2 digital video board  
Digital audio board

# Location and function of parts and controls

## Front panel



### 1 Tally lamp

Lights up when the video camera connected to this monitor is selected, indicating that the picture is being recorded.

### 2 POWER switch and indicator

Depress to turn the monitor on. The indicator will light up in green.

### 3 REMOTE indicator

Lights up when you set USER PRESET to ON in the menu, or when you connect a supplied cable to REMOTE connector (No. 17 pin is ground). The controls on the front panel do not work when this indicator lights up.

### 4 VOLUME control

Turn this control clockwise or counterclockwise to obtain the desired volume.

### 5 CONTRAST control

Turn clockwise to make the contrast higher and counterclockwise to make it lower.

### 6 PHASE control

This control is effective only for the NTSC<sub>3.58</sub> and NTSC<sub>4.43</sub> color systems. Turn clockwise to make the skin tones greenish and counterclockwise to make them purplish.

### 7 CHROMA control

Turn clockwise to make the color intensity higher and counterclockwise to make it lower.

### 8 BRIGHT (brightness) control

Turn clockwise for more brightness and counterclockwise for less.

### 9 APERTURE control

Turn clockwise for more sharpness and counterclockwise for less.

### Note

The APERTURE, CHROMA, PHASE control settings have no effect on the pictures of RGB signals.

### 10 MENU (EXIT) button

Press to make the menu appear. Press to return to the previous screen in the menu.

### 11 ENTER (SELECT) button

Press to decide a selected item in the menu.

### 12 ↑ (+) / ↓ (-) buttons

Press to move the cursor (▶) or adjust selected value in the menu.

**13 16:9 selector**

Press (light on) for the signal of 16:9 picture.

**14 H/V DELAY selector**

Press (light on) to observe the horizontal and vertical sync signals at the same time.  
The horizontal sync signal is displayed in the left quarter of the screen; the vertical sync signal is displayed near the center of the screen.

**15 UNDER SCAN selector**

Press (light on) for underscanning. The display size is reduced by approximately 5% so that four corners of the raster are visible.

**16 BLUE ONLY selector**

**RESET button**

Press (light on) to turn off the red and green signals. A blue signal is displayed as an apparent monochrome picture on the screen. This facilitates "chroma" and "phase\*" control adjustments and observation of VCR noise.

\* "Phase" control adjustment is effective only for the NTSC signals.

Press to reset the setting in the menu.

**17 DEGAUSS button**

Press this button momentarily. The screen will be demagnetized. Wait for 10 minutes or more before activating this button again.

**18 EXT SYNC (external sync) selector**

Keep this button in the off position (light off) to operate the monitor on the sync signal from the displayed video signal.

Keep this button in the on position (light on) to operate the monitor on an external sync signal fed through the EXT SYNC connector on the rear panel.

**19 LINE/RGB input selector**

Select the program to be monitored. Keep this button in the off position (light off) to feed a signal through the LINE A, LINE B or LINE C connectors. Keep this button in the on position (light on) to feed a signal through the RGB connectors.

**20 C/SDI selector**

When the LINE/RGB input selector is set to LINE (light off), press this button (light on) to feed a signal through the LINE C connectors.

When the LINE/RGB input selector is set to RGB (light on), press this button (light on) to feed the SDI signal (optional board is needed).

**21 B/COMPONENT selector**

When the LINE/RGB input selector is set to LINE (light off), press this button (light on) to feed a signal through the LINE B connectors.

When the LINE/RGB input selector is set to RGB (light on), press this button (light on) to feed the component signal.

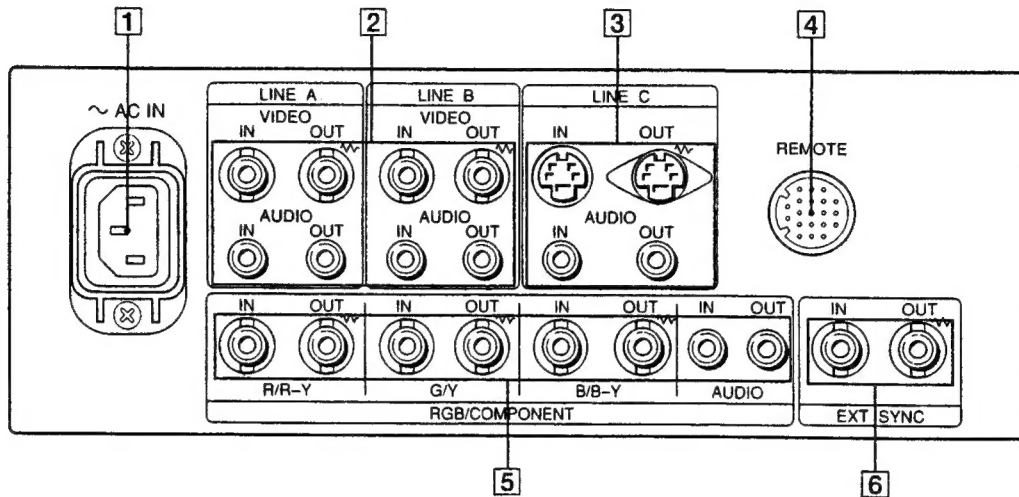
**22 A/RGB selector**

When the LINE/RGB input selector is set to LINE (light off), press this button (light on) to feed a signal through the LINE A connectors.

When the LINE/RGB input selector is set to RGB (light on), press this button (light on) to feed the RGB signal.

# Location and function of parts and controls

## Rear panel



(The  $\nabla$  mark indicates automatic termination.)

### 1 AC IN socket

Connect the supplied AC power cord to this socket and to a wall outlet.

### 2 LINE A, LINE B connectors

Two groups (A and B) of line input connectors for the composite video and audio signals and their loop-through output connectors.

To monitor the input signal fed through these connectors, keep the LINE/RGB selector in the LINE position (light off) and press the A/RGB or B/COMPONENT selector (light on) on the front panel.

#### VIDEO IN (BNC)

Connect to the video output of a video equipment, such as a VCR or a color video camera. For a loop-through connection, connect to the video output of another monitor.

#### VIDEO OUT (BNC)

Loop-through output of the VIDEO IN connector. Connect to the video input for a VCR or another monitor.

When the cable is connected to this connector, the 75-ohms termination of the input is automatically released, and the signal input to the VIDEO IN connector is output from this connector.

#### AUDIO IN (phono jack)

Connect to the audio output of a VCR or to a microphone via a suitable microphone amplifier. For a loop-through connection, connect to the audio output of another monitor.

### AUDIO OUT (phono jack)

Loop-through output of the AUDIO IN jack. Connect to the audio input of a VCR or another monitor.

### 3 LINE C connectors

#### Y/C IN (4pin mini DIN)

Connect to the Y/C separate output of a video camera, VCR or other video equipment.

#### Y/C OUT (4pin mini DIN)

Loop-through output of the Y/C IN connector. Connect to the Y/C separate input of a VCR or another monitor. When the cable is connected to this connector, the 75-ohms termination of the input is automatically released, and the signal input to the Y/C IN connector is output from this connector.

#### AUDIO IN (phono jack)

Connect to the audio output of a VCR or a microphone (through a suitable microphone amplifier).

#### AUDIO OUT (phono jack)

Loop-through output of the AUDIO IN connector. Connect to the audio input of a VCR or another monitor.

### 4 REMOTE connector (20pin)

Connect to the tally output of a control console, special-effect generator, etc. The tally lamp on the front panel will be turned on and off by the connected equipment. This connector can be used for connecting a remote controller. For the pin assignment of this connector, see "Specifications" on page 10.

## **5 RGB/COMPONENT connectors**

RGB signal or component signal input connectors and their loop-through output connectors.

To monitor the input signal fed through these connectors, keep the LINE/RGB selector in the RGB position (light on), and press the A/RGB or B/COMPONENT selector (light on) on the front panel.

### **R/R-Y IN, G/Y IN, B/B-Y IN (BNC)**

When the EXT SYNC selector on the front panel is in the off position (light off), the monitor operates on the sync signal from the G/Y channel.

#### **To monitor the RGB signal**

Connect to the analog RGB signal outputs of a video camera.

#### **To monitor the component signal**

Connect to the R-Y/Y/B-Y component signal outputs of a Sony Betacam video camera.

### **R/R-Y OUT, G/Y OUT, B/B-Y OUT (BNC)**

Loop-through outputs of the R/R-Y IN, G/Y IN, B/B-Y IN connectors

#### **For RGB signal**

Connect to the analog RGB signal inputs of a video printer or another monitor.

#### **For component signal**

Connect to the R-Y/Y/B-Y component signal inputs of a Betacam video recorder.

When the cables are connected to these connectors, the 75-ohms termination of the inputs is automatically released, and the signal inputs to the R/R-Y IN, G/Y IN, B/B-Y IN connectors are output from these connectors.

### **AUDIO IN (phono jack)**

Connect to the audio output of video equipment when the analog RGB or component signal is input.

### **AUDIO OUT (phono jack)**

Loop-through outputs of the AUDIO IN connector.

## **6 EXT SYNC (external sync) connectors**

To use the sync signal fed through this connector, press the EXT SYNC selector (light on).

### **IN (BNC)**

When this monitor operates on an external sync signal, connect the reference signal from a sync generator to this connector.

### **OUT (BNC)**

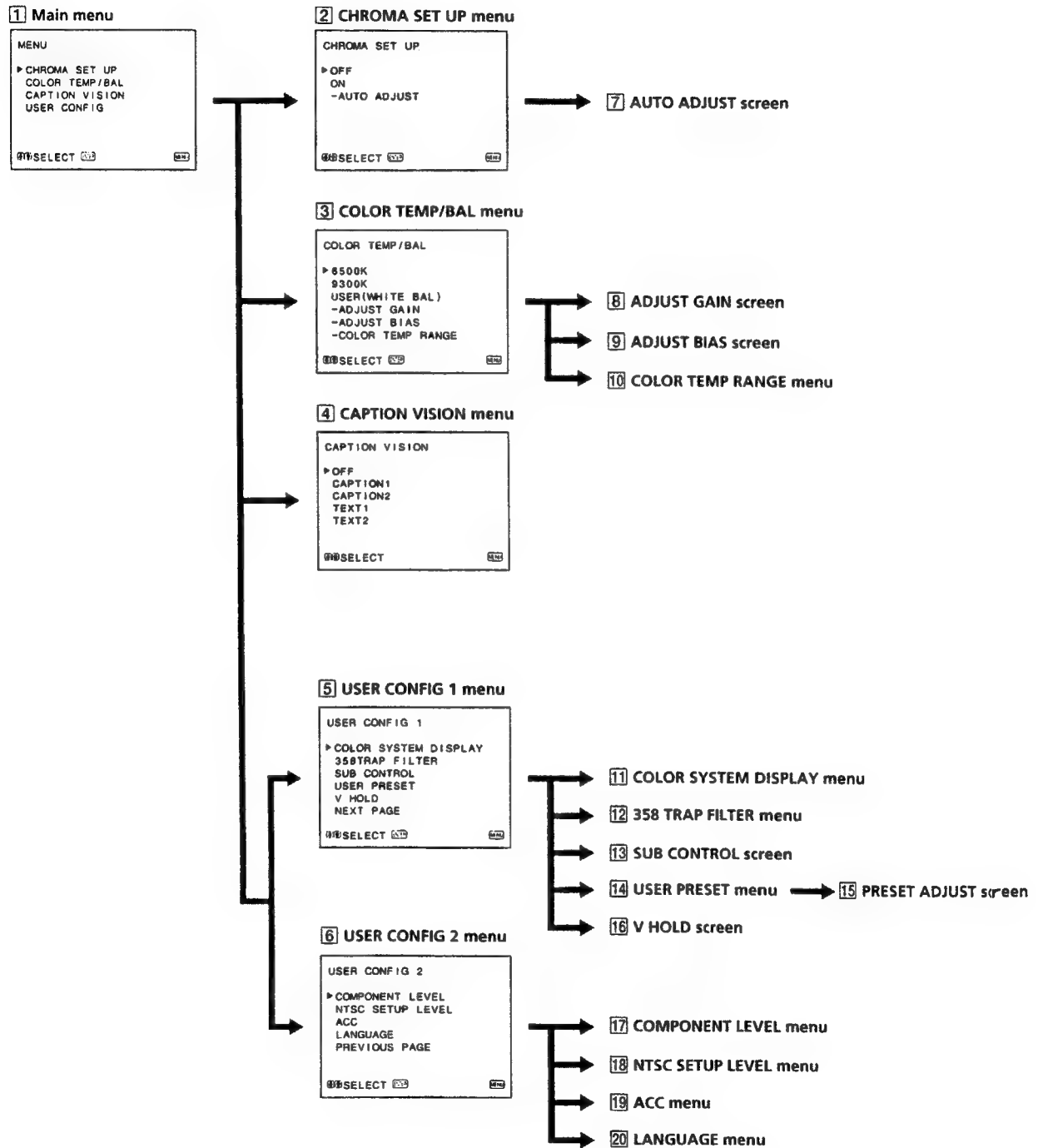
Loop-through output of the EXT SYNC IN connector.

Connect to the external sync input of video equipment to be synchronized with this monitor.

When the cable is connected to this connector, the 75-ohms termination of the input is released, and the signal input to the IN connector is output from this connector.

# Using on-screen menus

The flow chart shows the different levels of on-screen menus that you can use to make various adjustments and settings. The boxed number is for instructions on the next page.



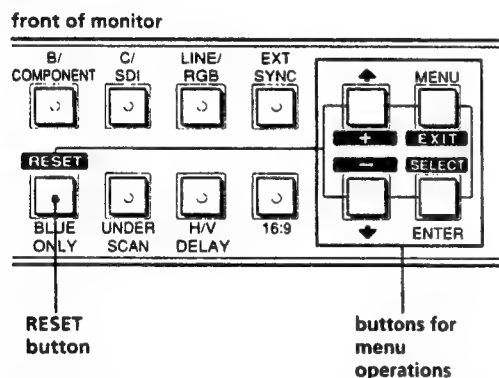
## Operating through menus

There are five buttons for menu operations on the front of the monitor. To display the main menu, first press MENU. The buttons you can use appear at the bottom of the menu screen.

### Functions of the buttons

Button	To select menu item	To adjust menu item selected
<b>MENU</b> <b>EXIT</b>	return to the previous menu	return to the previous menu
<b>ENTER</b> <b>SELECT</b>	decide a selected item	select an item
<b>↑</b> <b>+</b>	move the cursor (▶) upwards	increase selected value
<b>↓</b> <b>-</b>	move the cursor (▶) downwards	decrease selected value
<b>RESET</b>		reset current adjustment value to the factory setting

(The above items in white type correspond to the marks in the menu.)



#### 1 Main menu

Select an item and press ENTER to go to the following menu.

#### 2 CHROMA SET UP menu

Set to ON to adjust the internal decoder for CHROMA and PHASE (NTSC signal only) after AUTO ADJUST ([7]). [OFF]

#### 3 COLOR TEMP/BAL menu

Select the color temperature from among 6500K, 9300K and USER. USER is set to 6500K in the factory setting. You can adjust or change the color temperature in USER mode (a measuring instrument is needed). [6500K]

#### 4 CAPTION VISION menu

The monitor can display the signal with Caption Vision. To display it, select the caption type in this menu. [OFF]

#### 5 USER CONFIG 1 menu

Select an item to adjust. To go to the USER CONFIG 2 menu, select NEXT PAGE.

#### 6 USER CONFIG 2 menu

Select an item to adjust. To go to the USER CONFIG 1 menu select PREVIOUS PAGE.

#### 7 AUTO ADJUST screen

Select the color bar signal (full, SMPTE, EIA) and press ENTER to start auto adjusting for CHROMA SET UP (NTSC signal only).

#### 8 ADJUST GAIN screen

Adjust GAIN in USER mode.

#### 9 ADJUST BIAS screen

Adjust BIAS in USER mode.

#### 10 COLOR TEMP RANGE menu

Select the color temperature range in USER mode. [5000K-10000K]

#### 11 COLOR SYSTEM DISPLAY menu

Select the color system display mode. In AUTO, the kind of color system being used appears on the screen each time you change the signal input. [AUTO]

#### 12 358 TRAP FILTER menu

Color spill or color noise may be eliminated if you select ON (NTSC<sub>3.58</sub> signal only). [OFF]

#### 13 SUB CONTROL screen

You can finely adjust the controls on the front panel. CONTRAST, BRIGHT, CHROMA and PHASE control has a click at the center of its adjustment range. You can adjust the setting of the click position with this feature.

#### 14 USER PRESET menu

You can preset each control to a desired level and set it. If you set USER PRESET to ON, the REMOTE indicator lights up and the controls on the front panel do not work. The monitor operates with the internal memory settings. For adjustment, select PRESET ADJUST. [OFF]

#### 15 PRESET ADJUST screen

Adjust CONTRAST, BRIGHT, CHROMA, PHASE, VOLUME, APERTURE in USER PRESET.

#### 16 V HOLD screen

Adjust the vertical hold if the picture rolls vertically. When you cannot read the display, select the input that is not connected.

#### 17 COMPONENT LEVEL menu

Select the component level from among three modes.  
N10/SMPTE for 100/0/100/0 signal  
BETA 7.5 for 100/7.5/75/7.5 signal  
BETA 0 for 100/0/75/0 signal

[BETA 7.5]

#### 18 NTSC SETUP LEVEL menu

Select the NTSC setup level from two modes. The 7.5 setup level is mainly used in north America. The 0 setup level is mainly used in Japan. [7.5]

#### 19 ACC menu

Set ACC (Auto Color Control) circuit on or off. When the fine adjustment is needed, set ACC to OFF. Normally set it to ON. [ON]

#### 20 LANGUAGE menu

You can select the menu language from among the five languages (English, German, French, Italian, Spanish) on the menu.

[ENGLISH]

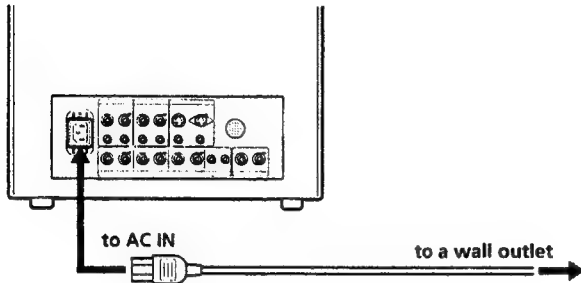
([ ]) indicates the factory setting position.)



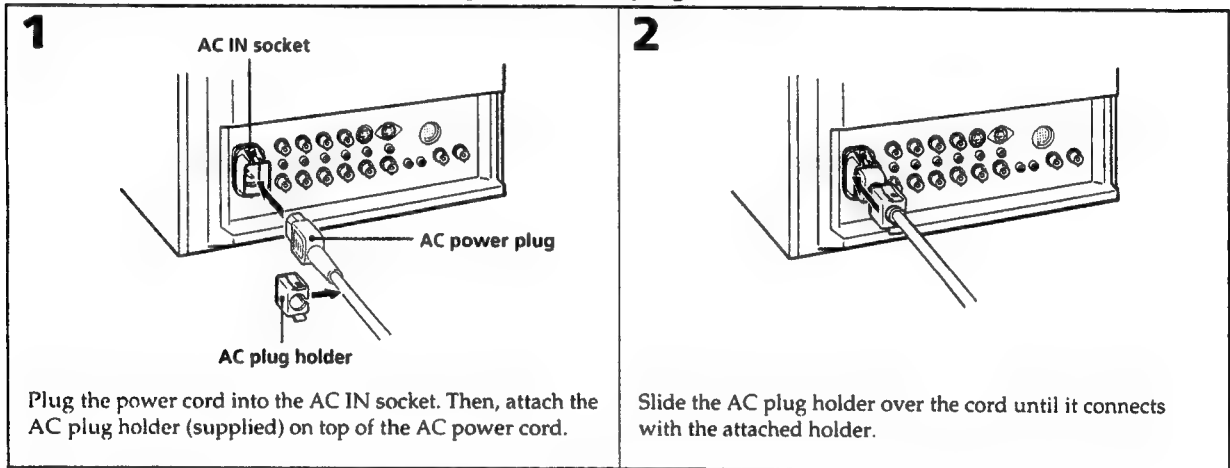
# Power sources

## House current

Connect the AC power cord (supplied) to the AC IN socket and to a wall outlet.



**To connect an AC power cord securely with an AC plug holder**



### **To remove the AC power cord**

Pull out AC plug holder by squeezing the left and right sides.

The operating instructions mentioned here are partial abstracts from the Operating Instruction Manual. The page numbers of the Operating Instruction Manual remain as in the manual.

## 1-2. GENERAL OF PVM-1350

# Features

### Fine pitch Trinitron picture tube

The fine pitch Trinitron tube provides a high resolution picture. Horizontal resolution is more than 450 TV lines at the center of the picture.

### Analog RGB input connectors

Analog RGB signals from video equipment can be input through these connectors.

### Y/C input connectors

The video signal, split into the chrominance signal (C) and the luminance signal (Y), can be input through this connector, eliminating the interference between the two signals, which tends to occur in a composite video signal, assuring video quality.

### Beam current feedback circuit

The built-in beam current feedback circuit assures stable white balance.

### Comb filter

When NTSC video signals are received, a comb filter activates to increase the resolution, resulting in fine picture detail without color spill or color noise.

### Automatic termination (connector with $\wedge$ mark only)

The input connector is terminated at 75 ohms inside when no cable is connected to the loop-through output connectors. When a cable is connected to an output connector, the 75-ohms termination is automatically released.

### Blue only mode

In the blue only mode, an apparent monochrome display is obtained with all three cathodes driven with a blue signal. This facilitates color saturation and phase adjustments and observation of VCR noise.

### Auto/manual degaussing

Degaussing of the screen can be performed automatically when the power is turned on, or manually by pressing the DEGAUSS button.

### On-screen menus

You can set CHROMA SET UP and other settings by using the on-screen menus.

### Five menu languages

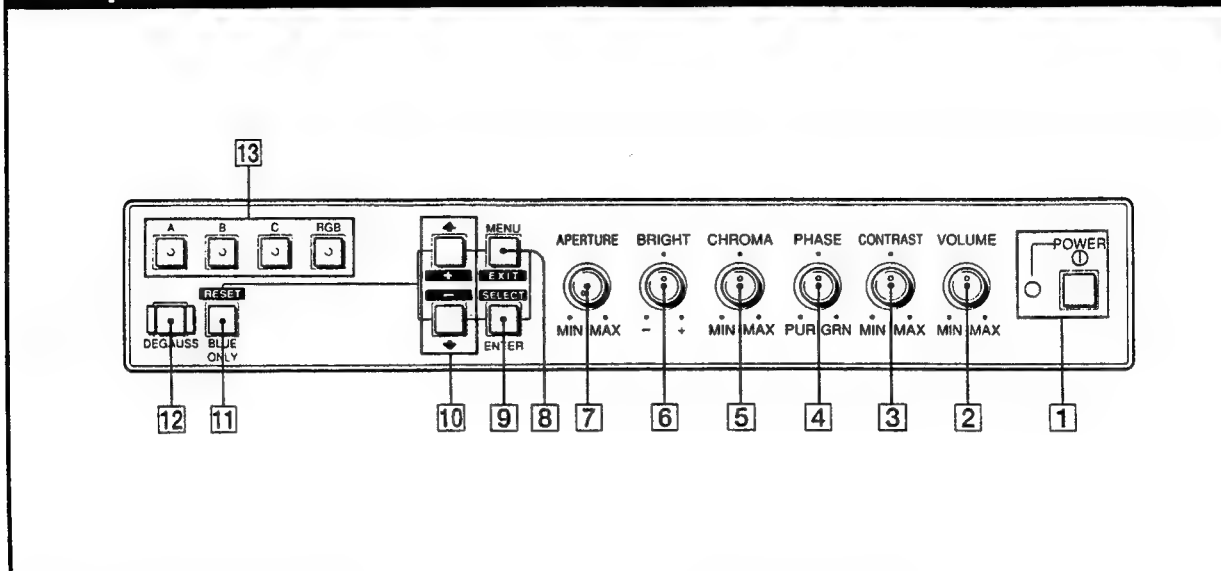
You can select the menu language from among the five languages on the menu.

### EIA standard 19-inch rack mounting

By using an MB-502B mounting bracket (not supplied), the monitor can be mounted in an EIA standard 19-inch rack. For details on mounting, see the instruction manual of the mounting bracket kit.

# Location and function of parts and controls

## Front panel



### 1 POWER switch and indicator

Depress to turn the monitor on. The indicator will light up in green.

### 2 VOLUME control

Turn this control clockwise or counterclockwise to obtain the desired volume.

### 3 CONTRAST control

Turn clockwise to make the contrast higher and counterclockwise to make it lower.

### 4 PHASE control

Turn clockwise to make the skin tones greenish and counterclockwise to make them purplish.

### 5 CHROMA control

Turn clockwise to make the color intensity higher and counterclockwise to make it lower.

### 6 BRIGHT (brightness) control

Turn clockwise for more brightness and counterclockwise for less.

### 7 APERTURE control

Turn clockwise for more sharpness and counterclockwise for less.

### Note

The APERTURE, CHROMA, PHASE control settings have no effect on the pictures of RGB signals.

### 8 MENU (EXIT) button

Press to make the menu appear. Press to return to the previous screen in the menu.

### 9 ENTER (SELECT) button

Press to decide a selected item in the menu.

### 10 ↑ (+) / ↓ (-) buttons

Press to move the cursor (▶) or adjust selected value in the menu.

### 11 BLUE ONLY selector RESET button

Press (light on) to turn off the red and green signals. A blue signal is displayed as an apparent monochrome picture on the screen. This facilitates "chroma" and "phase" control adjustments and observation of VCR noise.

Press to reset the setting in the menu.

### 12 DEGAUSS button

Press this button momentarily. The screen will be demagnetized. Wait for 10 minutes or more before activating this button again.

### 13 Input select buttons

Press (light on) to select the program to be monitored.

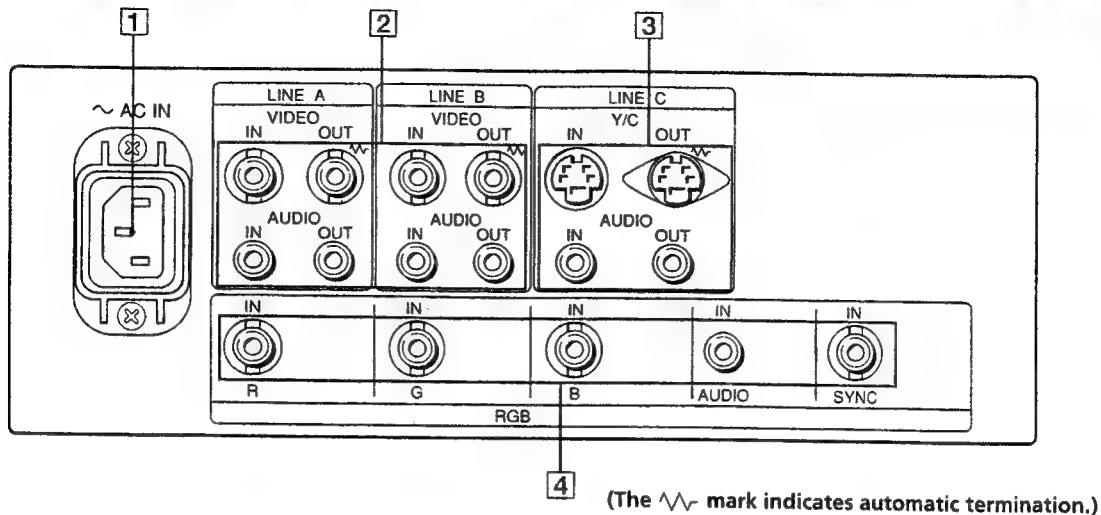
**A:** for a signal fed through the LINE A connector,

**B:** for a signal fed through the LINE B connectors

**C:** for a signal fed through the LINE C connectors

**RGB:** for a signal fed through the RGB connector.

## Rear panel



### 1 AC IN socket

Connect the supplied AC power cord to this socket and to a wall outlet.

### 2 LINE A, LINE B connectors

Two groups (A and B) of line input connectors for the composite video and audio signals and their loop-through output connectors.

To monitor the input signal fed through these connectors, press the A or B button (light on) on the front panel.

#### VIDEO IN (BNC)

Connect to the video output of video equipment, such as a VCR or a color video camera. For a loop-through connection, connect to the video output of another monitor.

#### VIDEO OUT (BNC)

Loop-through output of the VIDEO IN connector. Connect to the video input for a VCR or another monitor.

When the cable is connected to this connector, the 75-ohms termination of the input is automatically released, and the signal input to the VIDEO IN connector is output from this connector.

#### AUDIO IN (phono jack)

Connect to the audio output of a VCR or to a microphone via a suitable microphone amplifier. For a loop-through connection, connect to the audio output of another monitor.

#### AUDIO OUT (phono jack)

Loop-through output of the AUDIO IN jack. Connect to the audio input of a VCR or another monitor.

### 3 LINE C connectors

#### Y/C IN (4pin mini DIN)

Connect to the Y/C separate output of a video camera, VCR or other video equipment.

#### Y/C OUT (4pin mini DIN)

Loop-through output of the Y/C IN connector. Connect to the Y/C separate input of a VCR or another monitor. When the cable is connected to this connector, the 75-ohms termination of the input is automatically released, and the signal input to the Y/C IN connector is output from this connector.

#### AUDIO IN (phono jack)

Connect to the audio output of a VCR or a microphone (through a suitable microphone amplifier).

#### AUDIO OUT (phono jack)

Loop-through output of the AUDIO IN connector. Connect to the audio input of a VCR or another monitor.

### 4 RGB IN connectors

Connect to the analog RGB outputs of a video camera. To monitor the input signal fed through these connectors, press RGB button (light on) on the front panel.

#### R IN, G IN, B IN (BNC)

When you set RGB SYNC to SYNC ON G in the menu, the monitor operates on the sync signal from the G channel.

#### AUDIO IN (phono jack)

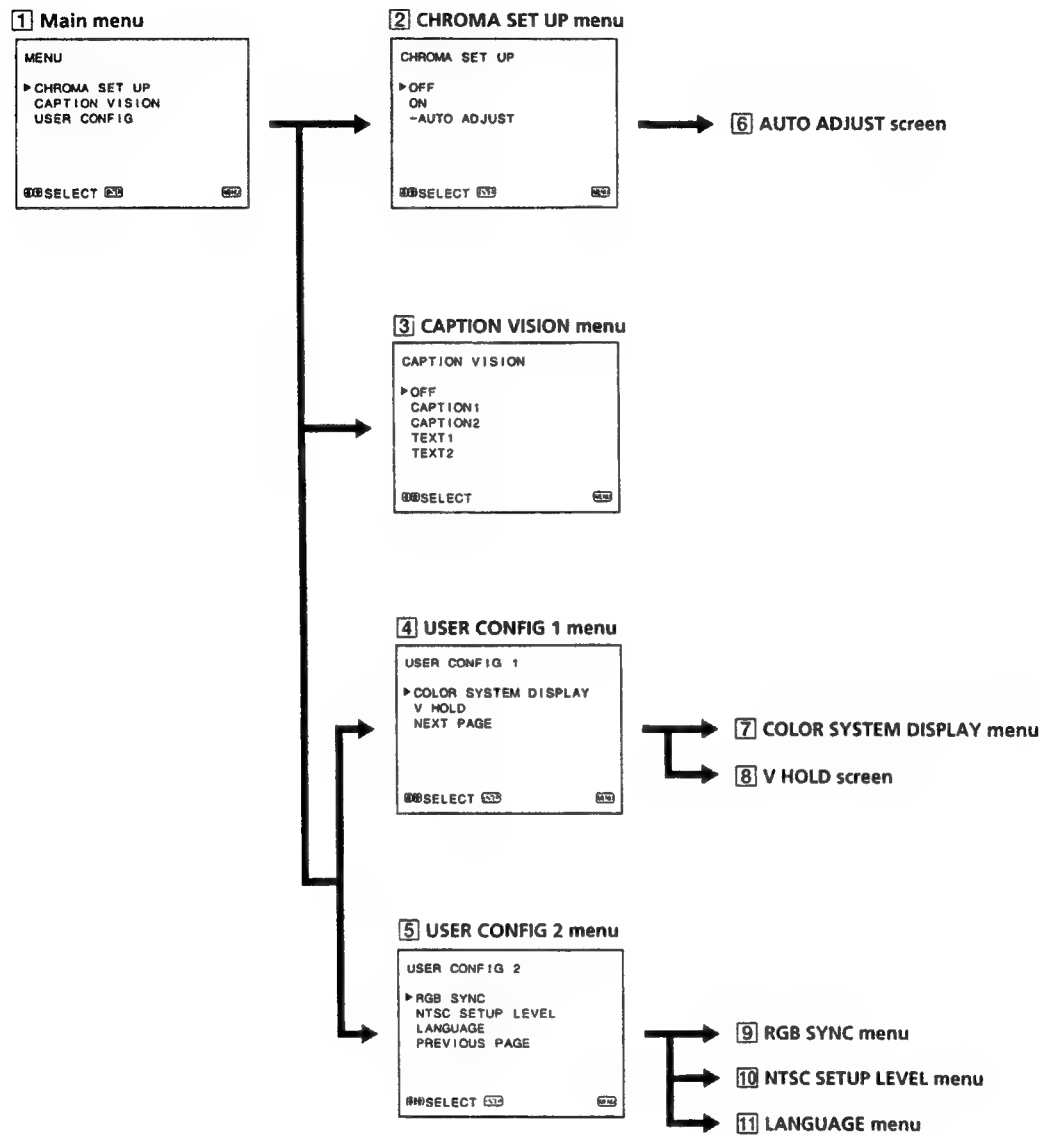
Connect to the audio output of video equipment when the analog RGB signal is input.

#### SYNC IN (BNC)

To use the sync signal fed through this connector, set RGB SYNC to EXT SYNC in the menu.

# Using on-screen menus

The flow chart shows the different levels of on-screen menus that you can use to make various adjustments and settings. The boxed number is for instructions on the next page.



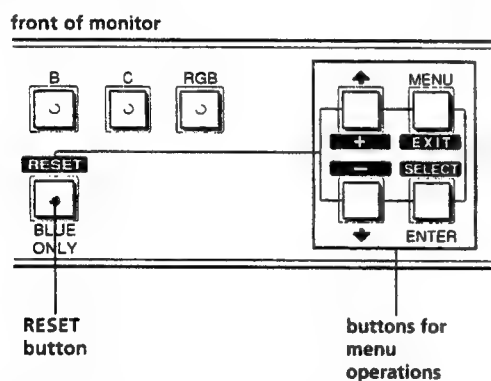
## Operating through menus

There are five buttons for menu operations on the front of the monitor. To display the main menu, first press MENU. The buttons you can use appear at the bottom of the menu screen.

### Functions of the buttons

Button	To select menu item	To adjust menu item selected
MENU EXIT	return to the previous menu	return to the previous menu
ENTER SELECT	decide a selected item	select an item
↑ +	move the cursor (►) upwards	increase selected value
↓ -	move the cursor (►) downwards	decrease selected value
RESET		reset current adjustment value to the factory setting

(The above items in white type correspond to the marks in the menu.)



#### 1 Main menu

Select an item and press ENTER to go to the following menu.

#### 2 CHROMA SET UP menu

Set to ON to adjust the internal decoder for CHROMA and PHASE after AUTO ADJUST ([6]). [OFF]

#### 3 CAPTION VISION menu

The monitor can display the signal with Caption Vision. To display it, select the caption type in this menu. [OFF]

#### 4 USER CONFIG 1 menu

Select an item to adjust. To go to the USER CONFIG 2 menu select NEXT PAGE.

#### 5 USER CONFIG 2 menu

Select an item to adjust. To go to the USER CONFIG 1 menu select PREVIOUS PAGE.

#### 6 AUTO ADJUST screen

Select the color bar signal (full, SMPTE, EIA) and press ENTER to start auto adjusting for CHROMA SET UP.

#### 7 COLOR SYSTEM DISPLAY menu

Select the color system display mode. In AUTO, the kind of color system being used appears on the screen each time you change the signal input. [AUTO]

#### 8 V HOLD screen

Adjust the vertical hold if the picture rolls vertically. When you cannot read the display, select the input that is not connected.

#### 9 RGB SYNC menu

Select SYNC ON G to operate the monitor on the sync signal from the displayed green signal. Select EXT SYNC to operate the monitor on an external sync signal fed through the RGB SYNC connector. [SYNC ON G]

#### 10 NTSC SETUP LEVEL menu

Select the NTSC setup level from two modes. The 7.5 setup level is mainly used in north America. The 0 setup level is mainly used in Japan. [7.5]

#### 11 LANGUAGE menu

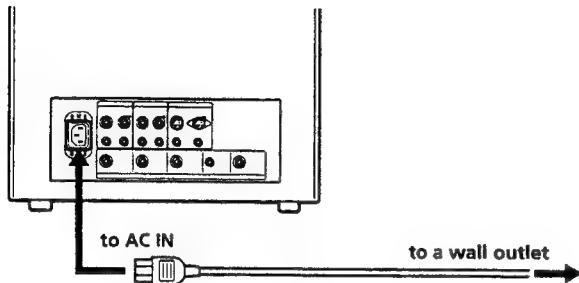
You can select the menu language from among the five languages (English, German, French, Italian, Spanish) on the menu. [ENGLISH]

([ ] indicates the factory setting position.)

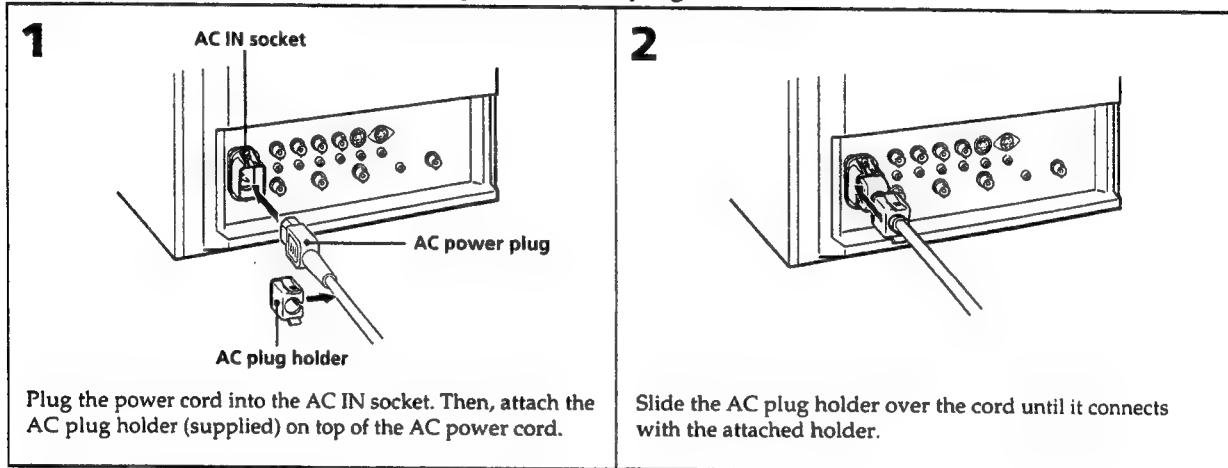
# Power sources

## House current

Connect the AC power cord (supplied) to the AC IN socket and to a wall outlet.



**To connect an AC power cord securely with an AC plug holder**

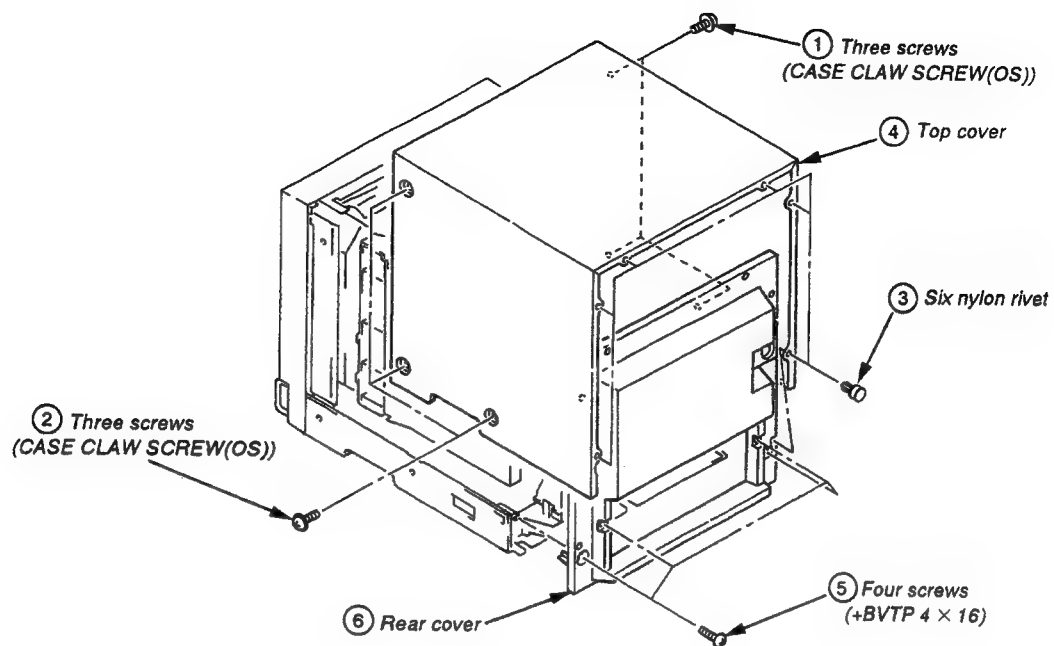


**To remove the AC power cord**

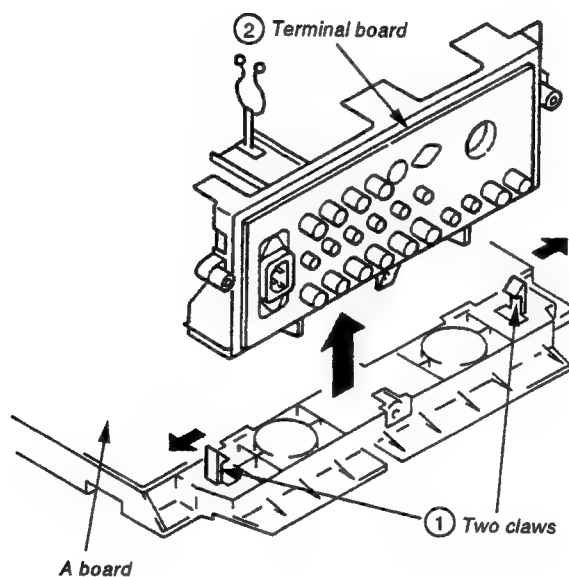
Pull out AC plug holder by squeezing the left and right sides.

## SECTION 2 DISASSEMBLY

### 2-1. TOP COVER AND REAR COVER REMOVAL

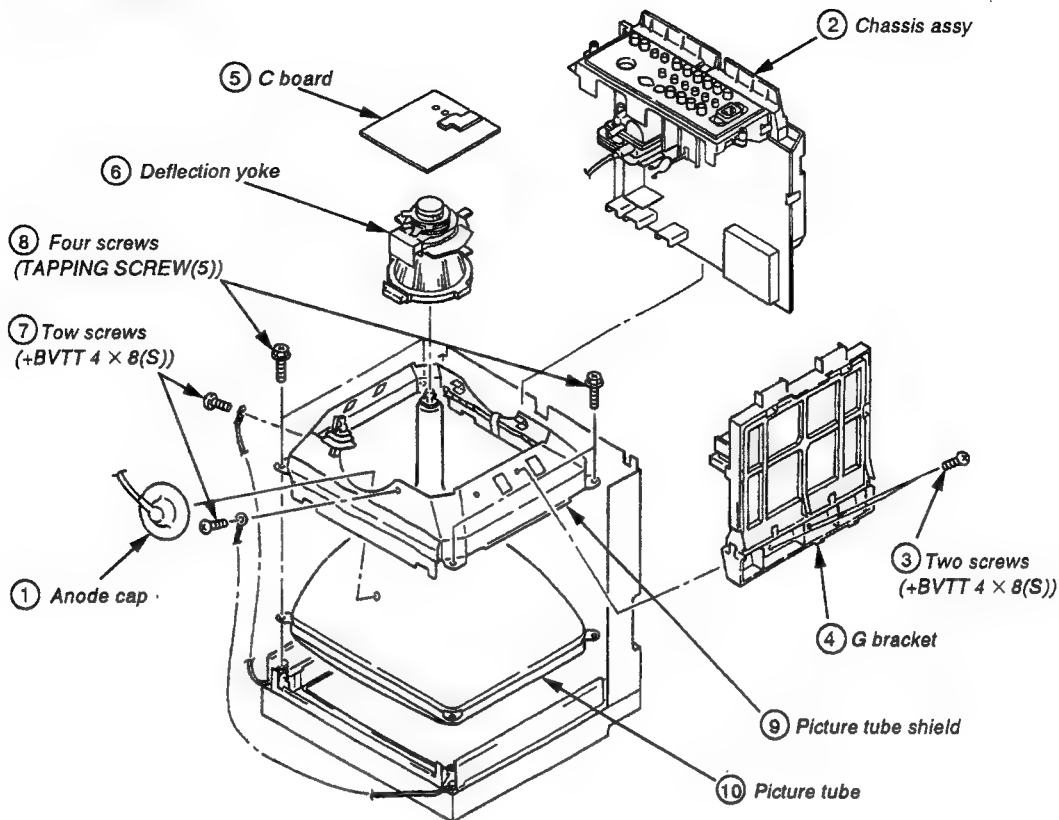


### 2-2. TERMINAL BOARD REMOVAL





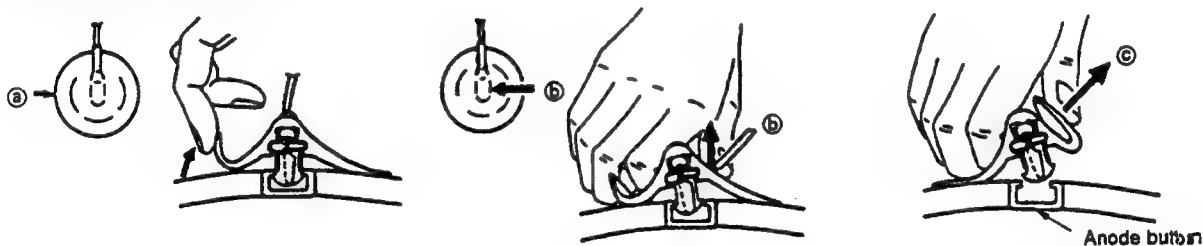
## 2-3. PICTURE TUBE REMOVAL



## • REMOVAL OF ANODE-CAP

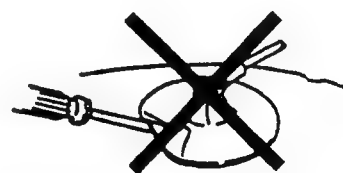
NOTE : Short circuit the anode of the picture tube and the anode cap to the metal chassis, CRT shield or carbon paint on the CRT, after removing the anode.

## • REMOVING PROCEDURES



## • HOW TO HANDLE AN ANODE-CAP

- ① Don't hurt the surface of anode-caps with sharp shaped material!
- ② Don't press the rubber hardly not to hurt inside of anode-caps!  
A material fitting called as shatter-hook terminal is built in the rubber.
- ③ Don't turn the foot of rubber over hardly!  
The shatter-hook terminal will stick out or hurt the rubber.



## SECTION 3 SET-UP ADJUSTMENTS

### 3-1. PREPARATIONS (1)

#### Service Mode

This set is provided with a switch for service on the front panel that can be used to make various adjustments. The operation method of this switch is explained in detail below.

#### 1. ENTERING THE SERVICE MODE

Simultaneously press the [ENTER] key and the [DEGAUSS] key shown on the display of the menu.

#### 2. SERVICE MODE DISPLAY

(1)	(5)	(4)	(3)	(6)
(2)				

Range of Service Mode Display

- (1) The service items are largely classified into 16 types displayed by titles.
- (2) The names of the service items or READ / WRITE guidance, etc., are displayed. The names are displayed to the left and the guidance to the right.
- (3) This is the serial number for each of the service items. 1-120.
- (4) This is the adjustment data for the service items that are now stored in the RAM. Adjustments can be made by changing these values, but as long as nothing is written to the ROM the adjustment values will be erased by turning off the power or by reading, so please be careful.
- (5) When the adjustment data that is now displayed is identical with the data in the ROM, the cursor (▷) is displayed.
- (6) The present status is displayed.
  - [\*] : Writing to the ROM. Make sure not to turn off the power while this display is on.
  - [?] : ROM reading error. In this case, an image is output with the standard adjustment data that the microcomputer itself possesses.
  - [L] : Problem in the I<sup>2</sup>C bus.

#### 3. FINISHING THE SERVICE MODE

Simultaneously press the [ENTER] key and the [DEGAUSS] key shown on the display of the menu.

#### 4. EASY ON / OFF OF THE SERVICE MODE

If once entering the service mode after having turned on the power, easy ON / OFF is possible by once more pressing the A, B or C switch on the front panel (the LED lights) as long as the power is not turned off or as long as the service mode is not finished.

#### 5. CHANGE OF POSITION OF THE SERVICE MODE DISPLAY

If the switch is continuously pressed when turning on in the above easy mode, the display position moves in the V direction. This method is used when the display is outside of the effective screen area.

#### 6. CHANGE OF SERVICE ITEMS

The items are returned with the [MENU] key and forwarded with the [ENTER] key. When a key is continuously pressed, the operation will be repeated.

#### 7. CHANGE OF SERVICE DATA

The service data is made larger with the [↑] key and smaller with the [↓] key. When continuously pressing the keys, the operation will be repeated.

#### 8. READING OF SERVICE DATA

When reading data from the ROM to the RAM, press the [B / D] key once and check that the READ display is shown in the guidance, and then press the [B / O] key once again. The adjustment data that is written will return to its previous state, so please be careful.

#### 9. WRITING OF SERVICE DATA

When writing data from the RAM to the ROM, press the [DEGAUSS] key once and check that the WRITE display is shown in the guidance, and then press the [DEGAUSS] key once again. Not only the displayed data will be written, but all data, so please be careful.

#### 10. CARRYING OUT FACTORY RESETTING

In case the adjustment data has been destroyed for some reason, and you keep pressing the [B / O] key at the beginning of the above reading, the READ guidance will change to FACTRY RESET guidance in approximately 3 seconds so that the factory resetting can be carried out. By once again pressing the [B / O] key after this, resetting will be carried out ([\*] will be displayed as status) and factory resetting will be executed. However, in case the data available at the time of shipment from the factory has been destroyed, or if the ROM has been replaced, etc., or if factory setting mentioned later on has been carried out, factory resetting is executed.

#### 11. CARRYING OUT FACTORY SETTING

Make sure to make possible the above factory resetting by making a copy of the adjustment data when replacing the ROM. If you keep pressing the [DEGAUSS] key at the beginning of the above writing, the WRITE guidance will change into FACTORY RESET guidance after approximately 3 seconds. By once again pressing the [DEGAUSS] key after this, setting will be carried out ([\*] will be displayed as status) and the data will be copied. By carrying out this operation, the selection items of the menu and the adjustment values will be reset to the standard conditions, so please be careful. If this operation is carried out once, it cannot be carried out again, but the FACTORY SET FLAG (No. 120) in the service mode can be set to 1.

## SERVICE DATA STANDARD

SERVICE MAP Ver 5. x (1-120)

NO.	SERVICE ITEM			MAX	14"	20"	NO.	SERVICE ITEM			MAX	14"	20"
1	NOR 50 DEF	H FREQUENCY		255	80	107	61	C / T1 ??00K	BIAS (RED)		1023	443	443
2		VIDEO PHASE		255	141	127	62		BIAS (GREEN)		1023	512	512
3		V SIZE		255	165	155	63		BIAS (BLUE)		1023	394	394
4		V CENTER		255	122	116	64		GAIN (RED)		1023	662	662
5	NOR 60 DEF	H FREQUENCY		255	90	112	65		GAIN (GREEN)		1023	700	700
6		VIDEO PHASE		255	120	123	66		GAIN (BLUE)		1023	536	536
7		V SIZE		255	157	161	67		B / O (RED)		255	120	120
8		V CENTER		255	128	111	68		B / O (GREEN)		255	125	125
9	NOR DEF	H SIZE		255	111	102	69	C / T2 ??00K	3200K SW		1	0	0
10		PIN PHASE		255	108	110	70		BIAS (RED)		1023	263	263
11		PIN AMP		255	112	122	71		BIAS (GREEN)		1023	512	512
12		U/L PIN		255	126	155	72		BIAS (BLUE)		1023	459	459
13		SEXY		255	128	128	73		GAIN (RED)		1023	572	572
14		V LINEARITY		255	132	82	74		GAIN (GREEN)		1023	700	700
15		V BOW		* 63	32	32	75		GAIN (BLUE)		1023	656	656
16		V ANGLE		* 63	32	32	76		B / O (RED)		255	86	86
17	U/SDEF	V SIZE (50)		255	124	134	77		B / O (GREEN)		255	105	105
18		V SIZE (60)		255	116	131	78	W / B	SUB CON (4 : 3, NORMAL)		255	210	210
19		H SIZE		255	115	89	79		SUB CON (4 : 3, H / V DELAY)		255	122	122
20		PIN PHASE		255	118	112	80		SUB CON (16 : 9, NORMAL)		255	165	165
21		PIN AMP		255	74	96	81		SUB CON (16 : 9, H / V DELAY)		255	93	93
22	16:9 NOR DEF	V SIZE (50)		255	81	89	82		SUB BRIGHT		255	71	71
23		V SIZE (60)		255	85	100	83		USER B / O (RED)		255	120	120
24		PIN PHASE		255	113	120	84		USER B / O (GREEN)		255	125	125
25		PIN AMP		255	64	68	85	OTHER	OSD POSITION		255	129	129
26		U/L PIN		255	132	136	86		V HOLD		255	128	128
27	16:9 U/S DEF	V SIZE (50)		255	41	59	87		H BLANKING		255	68	68
28		V SIZE (60)		255	35	55	88		V BLANKING (50)		255	63	63
29		PIN PHASE		255	124	122	89		16 : 9 BLANKING START(50)		255	37	37
30		PIN AMP		255	47	55	90		16 : 9 BLANKING END(50)		255	163	163
31	COMPONENT	SUB PHASE		255	140	140	91		V BLANKING (60)		255	117	117
32		SUB CHROMA (NORMAL)		255	104	104	92		16 : 9 BLANKING START(60)		255	40	40
33		SUB CHROMA (SMPTE)		255	168	168	93		16 : 9 BLANKING END(60)		255	215	215
34		R-Y LEVEL		255	155	155	94		H DELAY		255	165	165
35	NTSC	BURST GATE PULSE WIDTH		255	22	22	95		V DELAY		255	101	101
36		CRYSTAL		255	51	51	96		HP POSITION		255	130	130
37		PHASE (NORMAL)		255	103	103	97		HP WIDTH (NORMAL)		255	90	90
38		PHASE (ACC OFF)		255	112	112	98		HP WIDTH (H / V DELAY)		255	35	35
39		B-Y PHASE		255	141	141	99	SYSTEM	SDI AUDIO		7	5	5
40		CHROMA (NORMAL)		255	123	123	100		358TRAP FILTER		1	0	0
41		CHROMA (ACC OFF)		255	20	20	101		ACC		1	0	0
42		R-Y LEVEL		255	87	87	102		CAPTION VISION		7	0	0
43	NTSC 443	CRYSTAL		255	65	65	103		COMPONENT LEVEL		3	2	2
44		PHASE (NORMAL)		255	80	80	104		NTSC SETUP LEVEL		1	0	0
45		PHASE (ACC OFF)		255	75	75	105		CHROMA SET UP		1	0	0
46		B-Y PHASE		255	140	140	106		COLOR SYSTEM DISPLAY		3	0	0
47		CHROMA (NORMAL)		255	117	117	107		COLOR TEMPERATURE		3	0	0
48		CHROMA (ACC OFF)		255	87	87	108		USER PRESET		1	0	0
49		R-Y LEVEL		255	100	100	109		LANGUAGE		7	0	0
50	PAL	PHASE (NORMAL)		255	87	87	110		RGB SYNC		1	0	0
51		PHASE (ACC OFF)		255	72	72	111		OPTION BOARD		7	0	0
52		B-Y PHASE		255	105	105	112		AGING MODE		1	0	0
53		CHROMA (NORMAL)		255	141	141	113		PAL-M		1	0	0
54		CHROMA (ACC OFF)		255	90	90	114		MODEL		15	*	*
55		R-Y LEVEL		255	120	120	115		COLOR TEMP DISP 1		127	65	65
56	SECAM	CHROMA		255	120	120	116		COLOR TEMP DISP 2		127	93	93
57		R-Y LEVEL		255	229	229	117		REMOTE ADDRESS		127	0	0
58		COLOR BALANCE (R-Y)		255	116	116	118		RESERVED 1		1	0	0
59		COLOR BALANCE (B-Y)		255	98	98	119		RESERVED 2		1	0	0
60	C/T1 ??00K	3200K SW		1	0	0	120		FACTORY SET FLAG		1	0	0

\* Among the data 8 bits (MAX255) only the upper 6 bits can be changed.

\*\* PVM-1954Q, PVM-1350/1351Q/1354Q.

## PREPARATIONS (2)

\* When composite video or component signals are supplied, they must be supplied as below.

Signal		Signal Contents	Standard Level (Pedestal-White)
COMPOSITE VIDEO (75%COLOR BAR)	358NT 443NT	100% WHITE	0.714V
		75% WHITE	0.536V
		BURST (GREEN) (This item only P-P)	286mV (632mV)
	PAL SECAM	100% WHITE	0.7V
		75% WHITE	0.525V
		PAL BURST (GREEN) (This item only P-P)	300mV (664mV)
COMPONENT (75%COLOR BAR)	BETA 0	100% WHITE Y	0.7V
		75% WHITE Y	0.525V
		75% COLOR B-Y, R-Y (This item only P-P)	0.7V
	SMPTE	100% WHITE Y	0.7V
		75% WHITE Y	0.525V
		75% COLOR B-Y, R-Y (This item only P-P)	0.525V

\* In this document, terms inside boxes   are names of service mode adjustments.

Example 60H-FREQ

\* After making adjustments in service mode, write the adjustment data before cutting off the power. If you cut off the power without writing, the results of your adjustments are all lost.

\* Standard inspection conditions

Unless specifically specified otherwise in this document, the following conditions are used for adjustments and inspections.

APERTURE	MIN
BRIGHT	50% (Center click)
CHROMA	50% (Center click)
PHASE	50% (Center click)
CONTRAST	80% (Center click)
VOLUME	50%

## 3-2. WRITING MODEL DATA

- In service mode, write in the following model data at No. 114 MODEL.  
PVM-1350 7  
PVM-1351Q/1354Q 4
- In service mode, write in the following data at No. 115 COLOR TEMP DISP 1.  
PVM-1350/1351Q/1354Q 65
- In service mode, write in the following data at No. 116 COLOR TEMP DISP 2.  
PVM-1350/1351Q/1354Q 93

## 3-3. PICTURE OUTPUT

- Set the AC input voltage.  
(1) Input the video and audio signals to the corresponding terminals on the connector panel.  
(2) Set the sliduck AC voltage as shown on the right. (\*1-1)

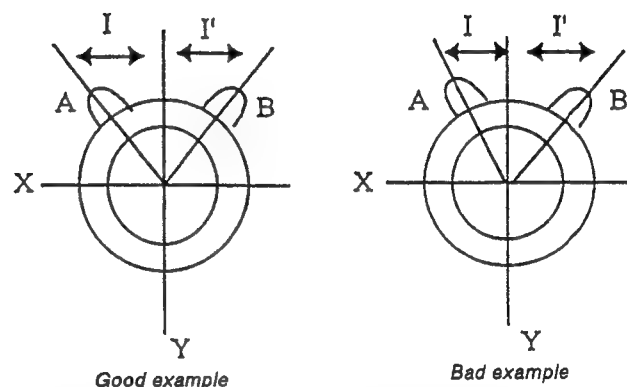
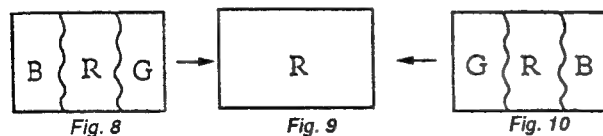
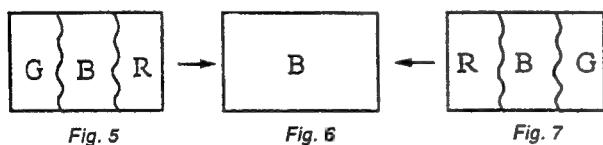
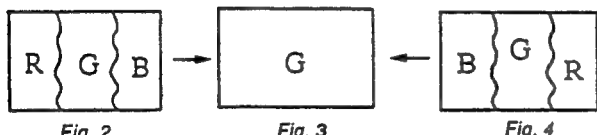
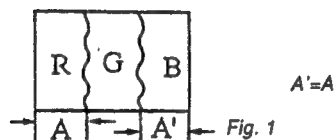
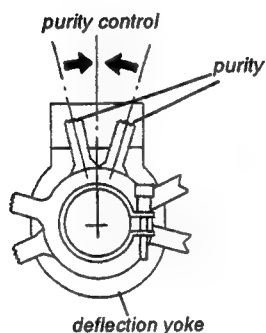
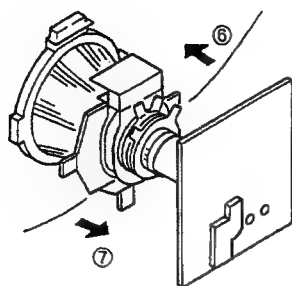
Model	Voltage
PVM-1350/1351Q/1354Q	AC120 ± 3V (Distortion rate : 3% or less)

## 3-4. LANDING ADJUSTMENT

- Preparations
  - To reduce the influence of geomagnetism, face the set's CRT screen east or west.
  - Loosen the deflection yoke fixture and lower the deflection yoke to the rear.
  - Switch on the Power switch and degauss with the degausser.
  - Adjust the deflection yoke tilt.
- Adjustment
  - CONT ..... MAX  
BRT..... Position providing good vision
  - The rough adjustments of the white balance, G2, and convergence must be completed already.
  - Set green-only.
  - Adjust the purity knob so that the green comes to the center of the screen. Make the red and blue about even. Fig. 1
  - Switch to blue only, red only, and green only and verify each. Fig. 1, 2, and 3
  - Bring the deflection yoke gradually forward and adjust the deflection yoke so that the R and B at both sides of the screen become green. Fig. 2 → 3
  - If the deflection yoke comes too far forward, you will see the pattern shown in Figure 4. If that happens, lower the deflection yoke to the rear. Fig. 4 → 3
  - Switch the single color switch to B and verify the single color. Fig. 6
  - Switch the single color switch to R and verify the single color. Fig. 9
  - When one of the colors does not become the single color correctly, check by repeating Items 7 and 8 based on the single color not coming into adjustment.  
If you can not obtain landing in the corners, paste on magnets.
  - Switch to an all-white signal and check the uniformity.
  - When the deflection yoke position is determined, fasten it with the fixture.

### 3-5. CONVERGENCE ADJUSTMENT

1. Input a dot pattern signal.  
CONT ..... Position providing good vision  
BRT ..... MIN
2. Align the horizontal R, G, and B dots at the center of the screen with the H-STAT VR. (\*1)  
\*1 : If the H-CENTER adjustment was after the H-STAT adjustment, re-adjust the H-STAT.  
(The H-CENT VR changes the H-STAT too.)
3. Align the R, G, and B at the center of the screen with the V-STAT magnets. (\*2)  
\*2: After the V-STAT adjustment, paint on the knobs to lock them.

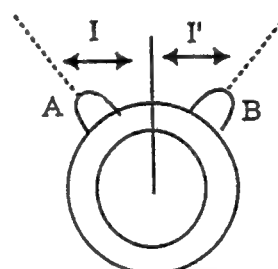


V-STAT magnet knobs  
While keeping the angles for A and B equal ( $I=I'$ ), align the vertical convergence.

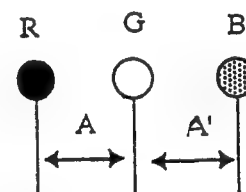
If the A and B knobs are not symmetrical ( $I \neq I'$ ), this has bad effects. The focus may deteriorate and beam striking may occur.

4. For HMC, use the 6-pole magnet to adjust the R and B dots to be symmetrical left and right about the G dot. (\*1)

\*1 :



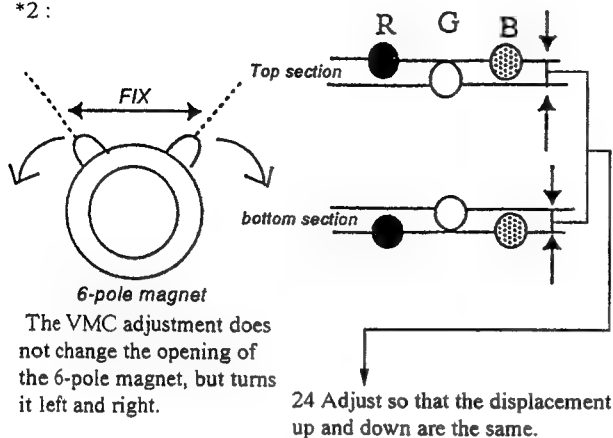
The HMC adjustment changes the opening of the 6-pole magnet.



Adjust the 6-pole magnet so that  $A=A'$ . You must maintain the relationship  $I \neq I'$  while moving the magnet.

95. For VMC, use the 6-pole magnet to adjust the R and B dots to be symmetrical above and below the G dot. (\*2)

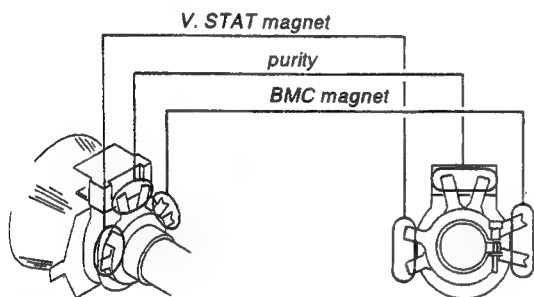
\*2:



6. Adjust by repeating the adjustments in Items 2 through 5. (\*3)

\*3: The above adjustment may affect the landing, so after this adjustment, check the landing again.

7. After the adjustment is complete, paint on the knobs to lock them.

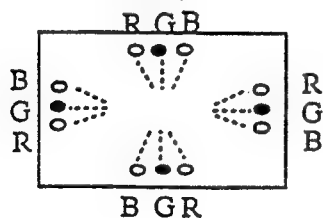


### 3-6. DEFLECTION YOKE NECK ROTATION ADJUSTMENT

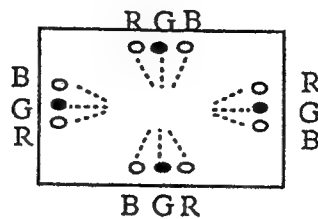
If there is misconvergence at both sides on the X or Y axis of the screen, turn the neck of the deflection yoke in the direction of the arrow to reduce the misconvergence for the entire CRT screen to within the tolerance.

1. Reverse misconvergence pattern

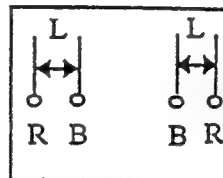
Turn the deflection yoke neck down.



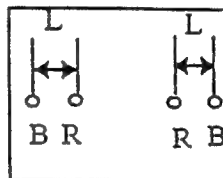
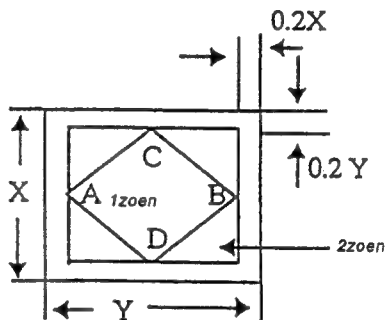
Positive misconvergence pattern  
Turn the deflection yoke neck up.



Pattern when deflection yoke too far to the left

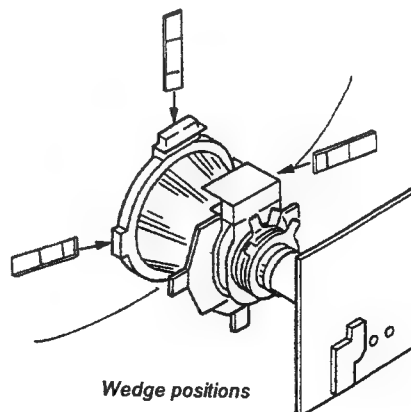


As viewed from the CRT screen, turn the deflection yoke neck to the right.

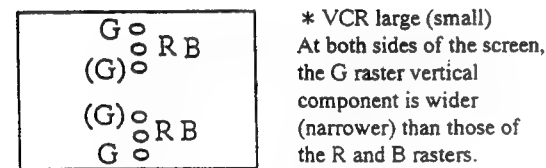
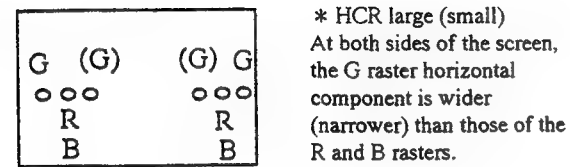
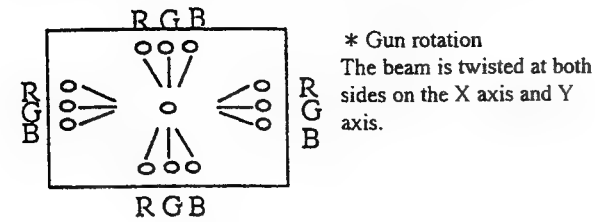


Pattern when deflection yoke too far to the right

2. Insert the three wedges in the deflection yoke and CRT funnel surface to fasten the deflection yoke.

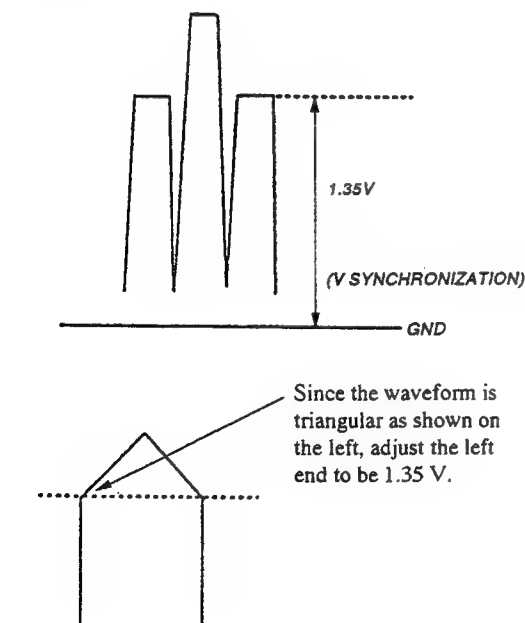


3. The pattern below can not be corrected by turning the neck.

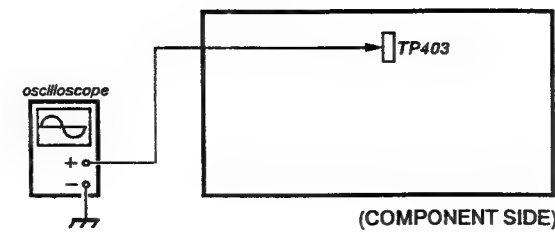


### 3-7. G2 ADJUSTMENT

1. Input a 525 monoscope signal.
2. Connect the oscilloscope to A board TP403.
3. Of the three reference pulses, measure the lowest one.
4. With the Screen VR, adjust so that left end of the waveform is :  $1.35 \text{ V} \pm 0.05$



A BOARD



### 3-8. WHITE BALANCE ADJUSTMENT

For measuring equipment, use a color analyzer (for example from Minolta).

For the PVM-1350, Items 7, 8, 14, 15 and 16 are not necessary.

1. Input a 525 monoscope signal.  
(Input from Line A or Line B, with no burst.)
2. Set :  
CONT ..... 0%  
BRT ..... 50%
3. On a 20-tone gray scale, adjust service mode **SUB BRIGHT** so that  
0 and 5 IRE → cut off  
10 IRE → slight glow
4. Input 525 all-white (no burst, composite signal).
5. Set CONT to 80%.
6. Adjust the all-white signal luminance so that the screen luminance is 3 NIT.
7. Press MENU and select COL TEMP/BAL.
8. Select 6500 K.
9. Put the unit into service mode. (\*1)  
\*1 : Set **3200 K SW** to 0 for both 9300K and 6500K.
10. Adjust to the standard values with **C/T1 6500K BIAS**.  
(G must be fixed at "512".) (\*2)  
\*2 : Adjust the cut-off to be 3 NIT.
11. Switch the all-white signal luminance to 100 IRE.
12. Adjust to the standard values with **C/T1 6500K GAIN**.  
(G must be fixed at "700".)
13. Repeat Items 10, 11 and 12 until the adjustment is complete, then write the adjustment data.
14. Press MENU and select COL TEMP/BAL.
15. Select 9300 K.
16. In the same manner as in Items 10, 11, 12 and 13 make the **C/T2 9300K BIAS** and **C/T2 9300K GAIN** adjustments.

### 3-9. BLUE-ONLY WHITE-BALANCE ADJUSTMENT

For the PVM-1350, Items 3, 4, 5, 6, 7 and 8 are not necessary.

1. Switch the user control SW Blue Only On (to set blue-only mode).
2. Input an all-white signal (no burst composite signal). (\*1)  
The luminance of the all-white signal must be 100 IRE.  
CONT ..... 80%  
BRT ..... 50%
3. Select COL TEMP/BAL.
4. Select 6500 K.
5. Adjust to the standard values with **C/T1 6500K B/O (RED)** and **C/T1 6500K B/O (GREEN)**.
6. Select COL TEMP/BAL.
7. Select 9300 K.
8. Adjust to the standard values with **C/T1 9300K B/O (RED)** and **C/T1 9300K B/O (GREEN)**.
9. Check that the white balance is obtained when the all-white signal luminance is adjusted and the screen luminance is 8 NIT.

### 3-10 SUB BRT ADJUSTMENT

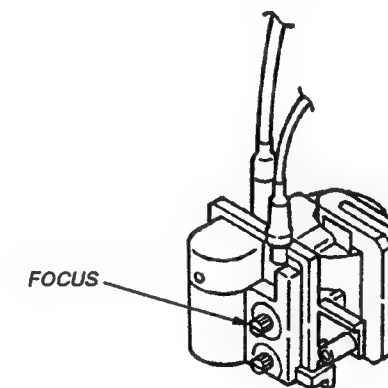
1. Input a 525 monoscope signal.
2. CONT ..... MIN  
BRT ..... CENTER (50%)
3. Put the unit into service mode and select **SUB BRIGHT**.
4. Adjust **SUB BRIGHT** so that 10 IRE gives a slight glow and 10 IRE gives cut off.

### 3-11. FOCUS ADJUSTMENT

**Note** : PVM-1350, 1351Q and 1354Q are adjusted with RV707 on the C board.

PVM-1351Q, 1354Q are adjusted with the RV at the top of the FBT main unit

1. Input a 525 monoscope signal.
2. Adjust the focus to optimize the focus on the characters "30" at the center of the screen.
3. Switch to an all-white signal and check the uniformity.





## SECTION 4 SAFETY RELATED ADJUSTMENT

The following adjustments should always be performed when replacing the following components (marked with  $\boxtimes$ ,  $\boxdot$  on the schematic diagram).

+B detection.....  $\boxtimes$  R1535  
Tertiary coil detection.....  $\boxtimes$  R1536

Hold Down Circuit.....  $\boxdot$  A board IC500, D533, R1537, C592, R1536, C523, R1560, R551, C549, R518, C506, C512, D501, R506, R519, T501, IC507

Beam Current Protector Circuit.....  $\boxdot$  A board R508, R515, R516, R517, C513, Q500, Q511

B+ Regulator Circuit.....  $\boxdot$  A board R1535  
 $\boxdot$  G board C603, IC602

### B+ MAX VOLTAGE CONFIRMATION (RV601)

Standard : 115.0~117.0 VDC  
Check Condition : Input voltage : 130~132 VAC  
Note : Use NF Power Supply or make sure that distortion factor is 3% or less.  
Input signal : ALL White  
Controls : BRT & CONT  $\Rightarrow$  Minimum

### HOLD-DOWN CIRCUIT VOLTAGE CONFIRMATION

Check Condition : Input voltage : 130~132 VAC  
Input signal : monoscope signal  
Controls : BRT & PIC  $\Rightarrow$  initial reset  
B+ voltage : Less than 117.0 V

#### (1) Hold down circuit (+B Actuation)

- a) When IABL =  $600 \pm 50 \mu A$ , raster goes out at less than 130.5 V of +B voltage (TP502) by adjusting  $\Delta$  R690 and RV601.

Input signal : ALL white  
 $\Delta$  R690 : 470-5.6k 1/4 W RN

- b) When IABL =  $40 \pm 20 \mu A$ , raster goes out at less than 130.5 V of +B voltage (TP502) by adjusting  $\Delta$  R690 and RV601.

Input signal : Dot

#### (2) Hold down circuit (Tertiary coil detection voltage)

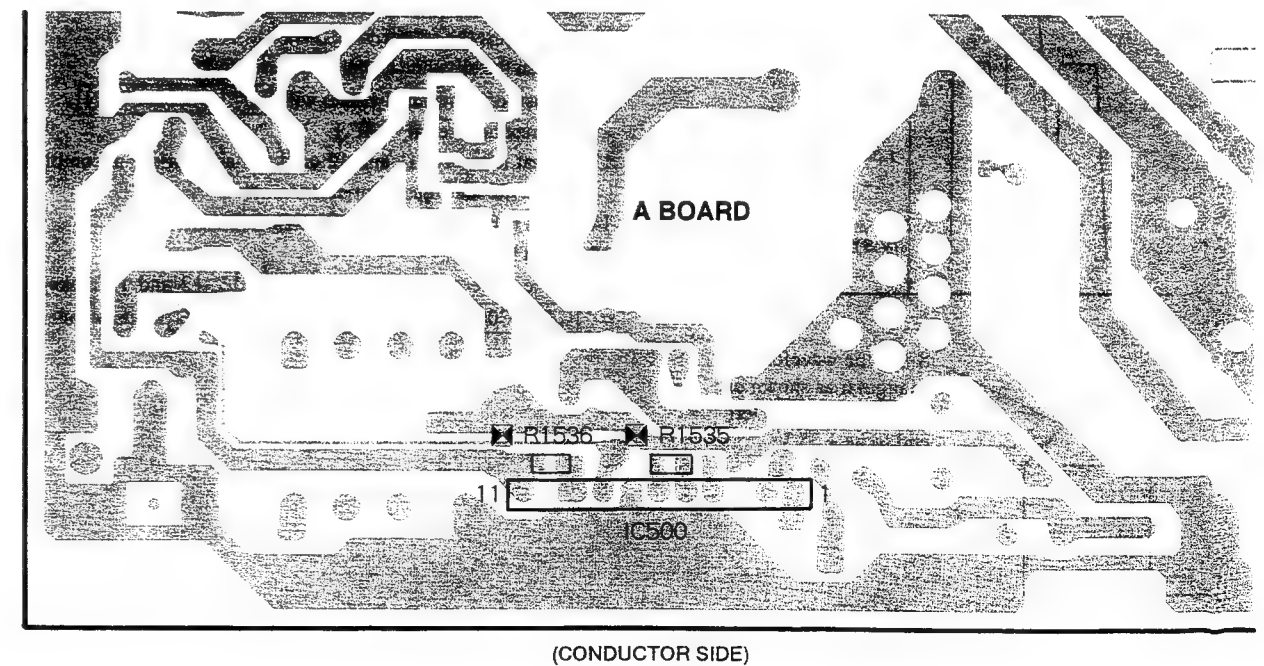
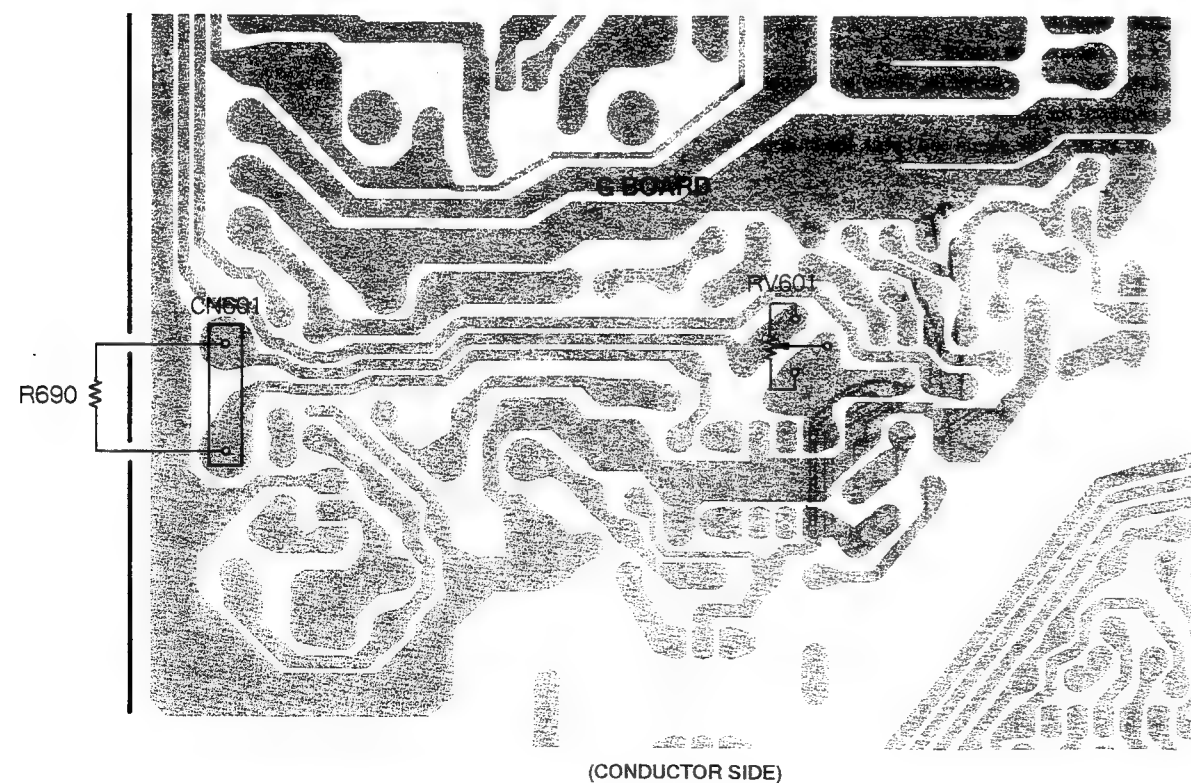
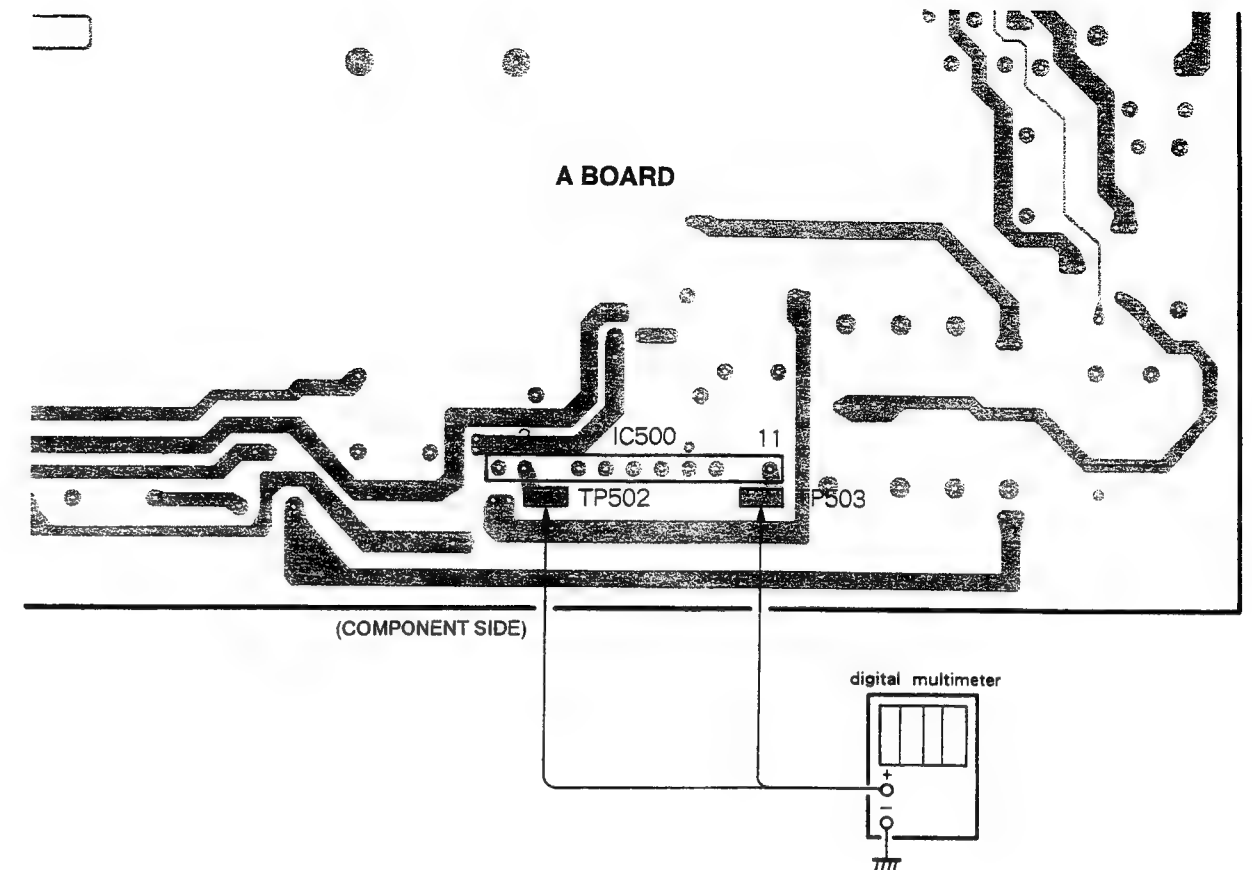
Confirmatory item : 110.0 V voltage should be applied to the (11) pin of IC500.

- a) When IABL =  $600 \pm 50 \mu A$ , raster goes out when applying less than DC 146.7 V voltage to the (11) pin (TP503) of IC500 from outside.

Input signal : ALL white

- b) When IABL =  $40 \pm 20 \mu A$ , raster goes out when applying less than DC 147.0 V voltage to the (11) pin (TP503) of IC500 from outside.

Input signal : Dot

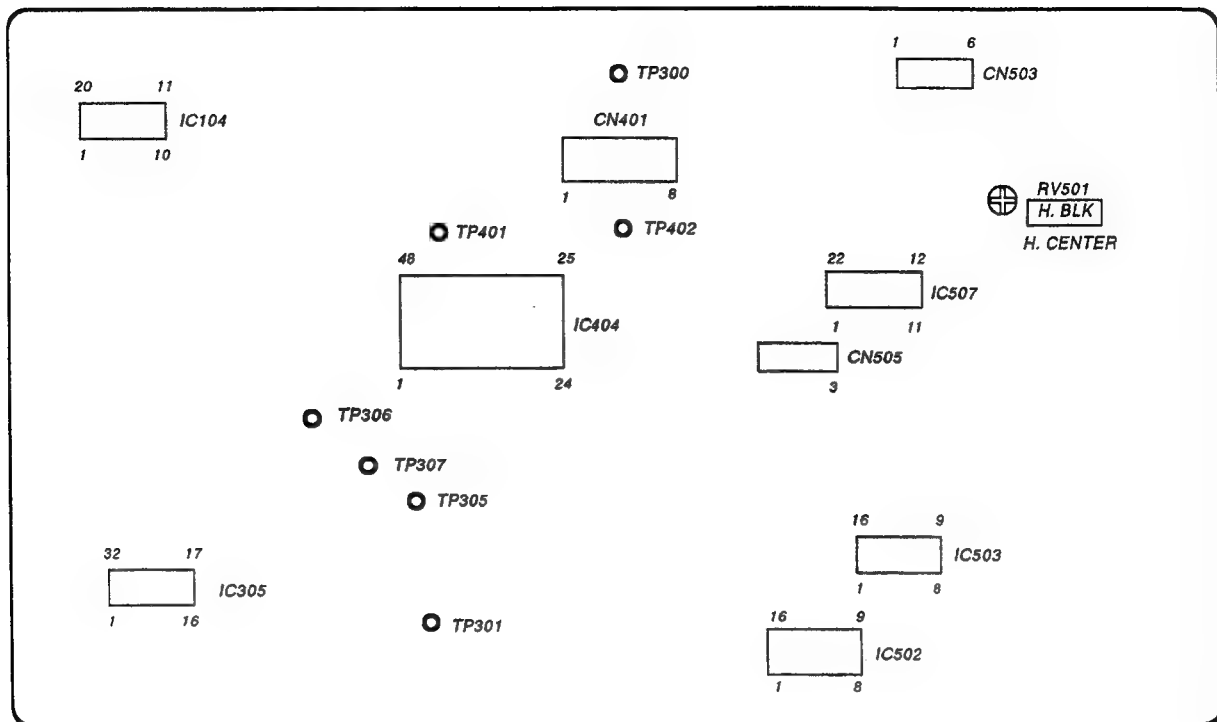




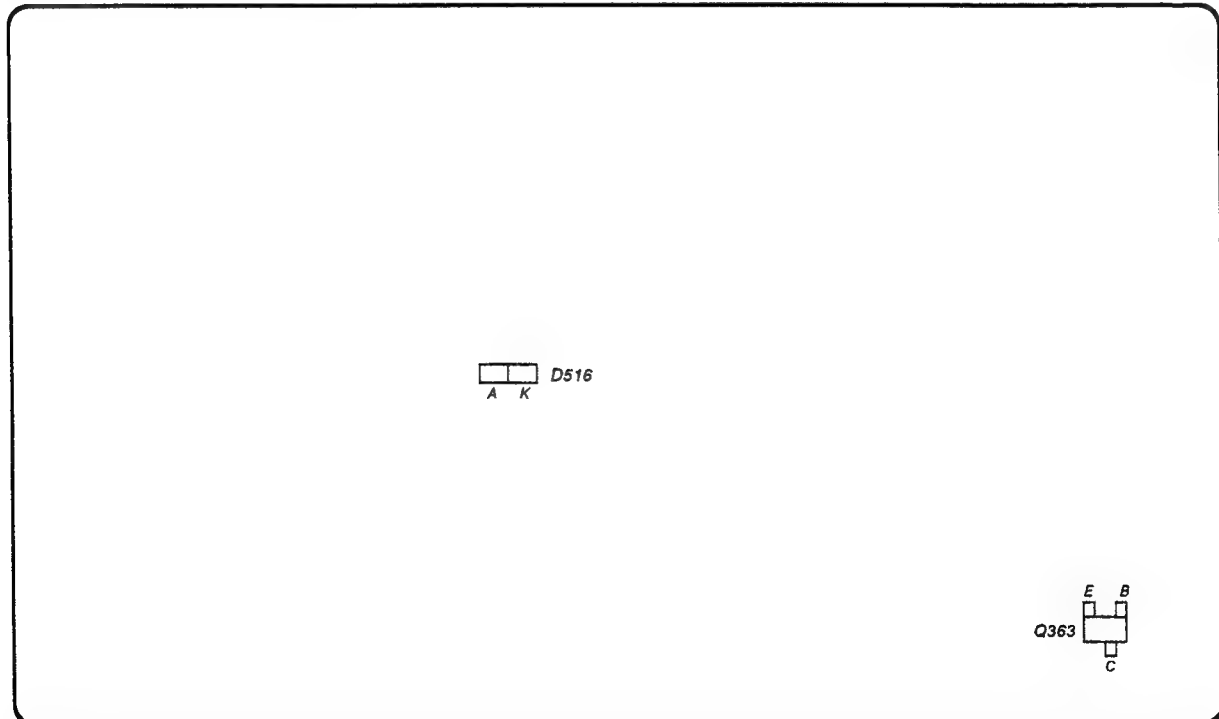
## SECTION 5 CIRCUIT ADJUSTMENTS

### 5-1. A BOARD ADJUSTMENT

**A BOARD** — COMPONENT SIDE —



**A BOARD** — CONDUCTOR SIDE —



**I. Preparations**

\* When composite video or component signals are supplied from connector CN301, they must be supplied taking into account the effect of the Q board as indicated on the right.

The levels of the signals supplied must be within  $\pm 2\%$  of the standard on the right.

Signal		Signal Contents	Standard Level (Pedestal-White)	Reduction Ratio	Connector Feed Level (Pedestal-White)
COMPOSITE VIDEO (75% COLOR BAR)	358NT 443NT	100% WHITE	0.714V	93%	0.664V
		75% WHITE	0.536V	93%	0.498V
		BURST (GREEN) (This item only P-P)	286mV (632mV)	94% (94%)	269mV (594mV)
	PAL SECAM	100% WHITE	0.7V	94%	0.651V
		75% WHITE	0.525V	94%	0.488V
		PAL BURST (GREEN) (This item only P-P)	300mV (664mV)	94% (94%)	282mV (624mV)
COMPONENT (75% COLOR BAR)	BETA0	100% WHITE Y	0.7V	94.8%	0.664V
		75% WHITE Y	0.525V	94.8%	0.498V
		75% COLOR B-Y, R-Y (This item only P-P)	0.7V	94.8%	0.664V
	SMPTE	100% WHITE Y	0.7V	94.8%	0.664V
		75% WHITE Y	0.525V	94.8%	0.498V
		75% COLOR B-Y, R-Y (This item only P-P)	0.525V	94.8%	0.498V

\* The function or input can be selected by writing the corresponding data from the table below into microcomputer (IC101) RAM address 0006h.

BIT	FUNCTION	DATA
0-3	LINE A/RGB	1
	LINE B/COMPONENT	2
	LINE C/SDI	3
	LINE/RGB	4
	EXT SYNC	5
	DEGAUSS	6
	BLUE ONLY	7
	UNDER SCAN	8
	H/V DELAY	9
	16:9	10
4-7	MENU	1
	SELECT	2
	UP	3
	DOWN	4

\* In this document, terms inside boxes   are names of service mode adjustments.

Example 60H-FREQ

\* CONT 80% is the center click position for the user control.

## II. Deflection System Adjustment

### 1. ADJUSTING THE HORIZONTAL OSCILLATION FREQUENCY

\* For the PVM-1350, Items 6 and 7 are not necessary.

1. Input a 525 monoscope signal.
2. Set :  
CONT..... 80%  
BRT.....50%
3. Put the unit into service mode.
4. Drop A board IC507 Pin 1 to ground with a  $100\mu/16V$  electrolytic capacitor. (Ground must use CN505 Pin 3.) Or plug the H-FREQ tool into CN505.
5. Adjust **60H-FREQ** so that the diagonal lines on the screen become vertical lines. (Fig. 1)
6. Input a 625 monoscope signal.
7. Adjust **50H-FREQ** so that the diagonal lines on the screen become vertical lines. (Fig. 1)

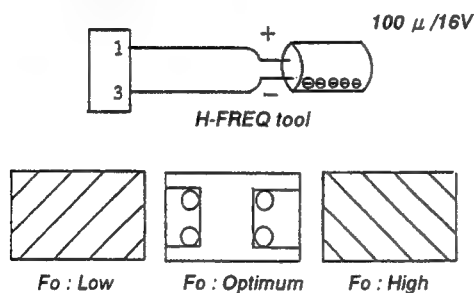


Fig. 1

#### 2-1. H-BLK Adjustment

1. Input a 525 monoscope signal.
2. Set :  
CONT.....80%  
BRT.....50%
3. Put the unit into service mode.
4. Observe the anode of D516 or TP300 with the oscilloscope and adjust **H-BLK** to obtain the waveform in Fig. 2.

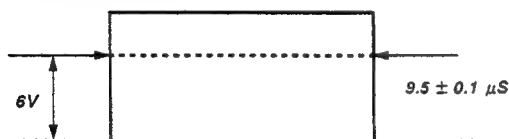


Fig. 2

#### 2-2. H-BLK Adjustment (PVM-1350 only)

1. Put the unit into service mode.
2. Input an adjustment value of **70** for H-BLK.

#### 3-1. PICTURE PHASE Adjustment (PVM-1351Q/1354Q only)

1. Input a 525 monoscope signal.
2. Put the unit into under scan mode.
3. Set :  
CONT..... Min.  
BRT.....Max.

4. Put the unit into service mode.
5. Use **U/S H SIZE** to adjust the size of the monoscope white frame to be about 1 cm to the inside of the limits of the effective screen.
6. Turn RV501 (H-CENT) and adjust so that  $B=B'$ .
7. Adjust **60 VIDEO PHASE** so that the signal region comes to the center ( $A=A'$ ) of the deflection region. (Fig. 3)

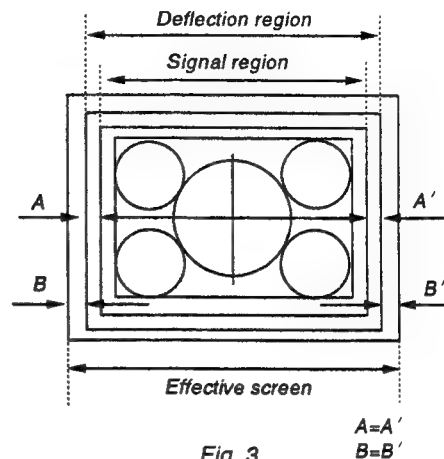


Fig. 3

8. Input a 625 monoscope signal.
9. Adjust **50 VIDEO PHASE** in the same manner.

#### 3-2. PICTURE PHASE Adjustment (PVM-1350 only)

1. Input a 525 monoscope signal.
2. Put the unit into service mode.
3. Input an adjustment value of **123** for **60 VIDEO PHASE**.
4. Input an adjustment value of **137** for **50 VIDEO PHASE**.
5. Roughly adjust H-SIZE so that the horizontal size is 15.75 frames.
6. Turn RV501 (H-CENT) and adjust so that the left and right over scan amounts are equal.

#### 4-1. V-BLK Adjustment (PVM-1351Q/1354Q only)

1. Input a 525 monoscope signal.
2. Put the unit into under scan mode.
3. Set :  
CONT..... Min.  
BRT.....Max.
4. Put the unit into service mode.
5. Adjust **V BLK (60)** so that before 0.5H of the white frame on the top of the monoscope is barely unblocked.
6. End under scan mode and put the unit into Normal 16:9 mode.
7. Adjust **16 : 9 BLK START (60)** and **16 : 9 BLK END (60)** so that the vertical direction frame count is 11.75 for the light emitting section of the screen and at the same time the top and bottom block amounts are the same.  
**Note :** This must be done before the 16 : 9 V-SIZE adjustment.
8. Input a 625 monoscope signal.
9. Adjust **V BLK (50)** in the same manner as in 5 above.

1010. Adjust **16 : 9 BLK START (50)** and **16 : 9 BLK END (50)** in the same manner as in 7 and 8 above so that the vertical direction frame count is 11.2 for the light emitting section of the screen and at the same time the top and bottom block amounts are the same.

#### 4-2. V-BLK Adjustment (PVM-1350 only)

- Put the unit into service mode.
- Use 60 V-SIZE and reduce the image size so that the upper and lower blanking can be seen.
- Use **60 V-BLK** and adjust so that the white frame of the upper part becomes  $\frac{1}{2}$ .

#### 5. VERTICAL DEFLECTION SECTION Adjustment

\* PVM-1350 has no 16 : 9 mode.

\* PVM-1350 has no 625 mode.

Normal V. Size Standards

		525	625
4 : 3		11.75 $\pm$ 0.2 frames	11.2 $\pm$ 0.2 frames
16 : 9	14"	154 $\pm$ 2mm	←
	20"	217 $\pm$ 3mm	←

- Input a 525 monoscope signal.
- Set :  
CONT..... 80%  
BRT..... 50%
- Put the unit into service mode.
- Adjust the size to 12 frames with **NOR 60 V SIZE**.  
Adjust the vertical linearity with **V LIN**.  
Adjust the vertical centering with **60 V CENT**.  
**Note :** The V.CENT adjustment must be re-evaluated after the V.LIN adjustment.  
Adjust the size to the standard value with **NOR 60 V SIZE**.
- Put the unit into 16 : 9 mode.
- Adjust in the same manner with **16 : 9 NOR V SIZE (60)**.
- Put the unit into normal scan mode.
- Input a 625 monoscope signal.
- Roughly adjust **NOR 50V SIZE** so that the size is 11 frames.  
Adjust the vertical centering with **50 V CENT**.  
**Note :** The V.CENT adjustment must be re-evaluated after the V.LIN adjustment.  
Adjust the size to the standard value with **NOR 50 V SIZE**.
- Put the unit into 16 : 9 mode.
- Adjust in the same manner with **16 : 9 NOR V SIZE (50)**.

#### 6. HORIZONTAL DEFLECTION SECTION ADJUSTMENT

##### NORMAL SCAN Adjustment

\* PVM-1350 hasno 625 mode.

\* PVM-1350 hasno 16 : 9 mode.

- Input a 525 monoscope signal.
- Set :  
CONT..... 80%  
BRT..... 50%

- Put the unit into service mode.
- Roughly adjust **NOR H SIZE** so that the size is 15.75 frames.
- Adjust the horizontal deflection section with **NOR PIN AMP**, **NOR PIN PHASE**, **NOR U/L PIN**, **SEXY**, **V BOW** and **V ANGLE**.  
(While adjusting the pincushion distortion and bow distortion with V-ANGL and BOW, adjust so that the horizontal and vertical of the screen are straight lines.)
- Put the unit into 16 : 9 mode.
- Adjust with **16 : 9 NOR PIN AMP**, **16 : 9 NOR PIN PHASE**, and **16 : 9 NOR U/L PIN** in the same manner as in Item 5.

Normal H.Size Standards

	525	625
4 : 3	15.75 $\pm$ 0.2 frames	15.0 $\pm$ 0.2 frames
16 : 9	15.75 $\pm$ 0.2 frames	15.0 $\pm$ 0.2 frames

V-ANGL



BOW



PIN-AMP



PIN-PHASE



U/L-PIN



SEXY



Fig. 4

## 7. HORIZONTAL DEFLECTION SECTION Adjustment (UNDER SCAN adjustment) (PVM-1351Q/1354Q only)

Standard value

	525	625
U/S H-SIZE	$252 \pm 2\text{mm}$	←
V-SIZE	$188 \pm 2\text{mm}$	←
16:9		
U/S V-SIZE	$142 \pm 2\text{mm}$	←

## 8. H/V DELAY Adjustment

- H-DELAY adjustment
  - Input a 525 monoscope signal.
  - Set :  
CONT..... 80%  
BRT..... 50%
  - Put the unit into H/V DELAY mode.
  - Put the unit into service mode.
  - Connect the oscilloscope probe to IC503 Pin 7, then adjust **H DELAY** so that the waveform is as in Fig. 5.
- V-DELAY Adjustment
  - Input a 525 monoscope signal.
  - Set :  
CONT..... 80%  
BRT..... 50%
  - Put the unit into H/V DELAY mode.
  - Put the unit into service mode.
  - Connect the oscilloscope probe to IC502 Pin 7, then adjust **V DELAY** so that the waveform is as in Fig. 6.
- Picture verification (PVM-1351Q/1354Q only)  
Verify that the picture is as in Fig. 7.

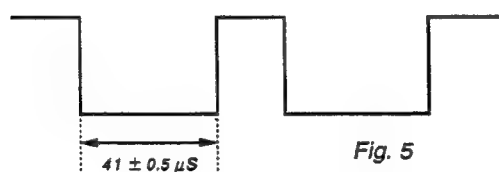


Fig. 5

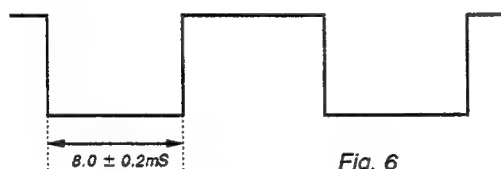


Fig. 6

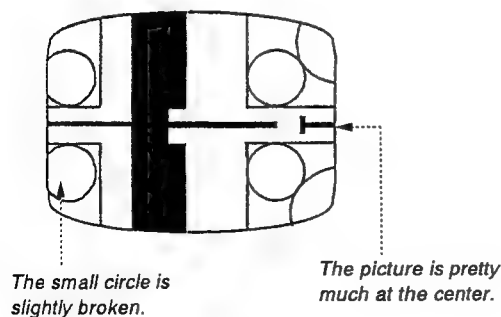


Fig. 7

## 9. OSD POSITION Adjustment

- Input a 525 color bar signal.
- Connect the oscilloscope probes to TP300 (H-BLK) and IC104 Pin 14.
- Adjust **OSD POSITION** so that the gap between the rising edge of the H-BLK waveform and the right edge character (the right edge of the " " for service mode **OSD POSITION**) is :  $57 \mu\text{s} \pm 0.2 \mu\text{s}$

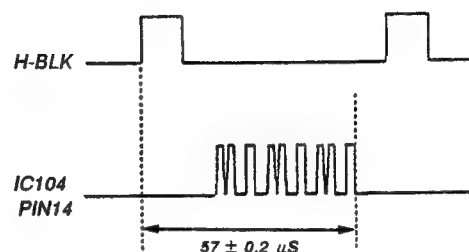


Fig. 8

## 10. WRITING THE ADJUSTMENT

- Write the adjustment results into memory.  
**Note :** If you cut off the power before writing, the results of your adjustments are all lost.

### III. SIGNAL SYSTEM ADJUSTMENT

#### 1. NORMAL AND H/V DL SUB CON ADJUSTMENT

\* PVM-1350 has neither 16 : 9 nor H/V-DL.

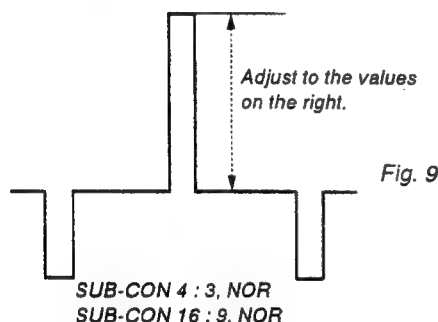
1. Input a vertical white line signal.

**Note :** Use a vertical white line signal

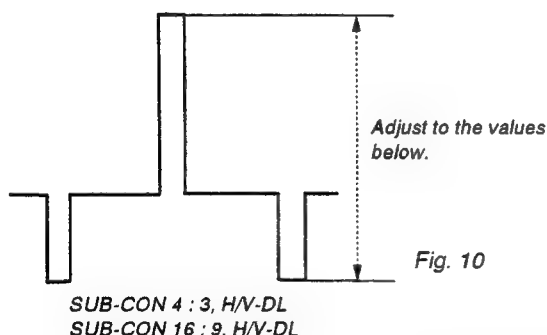
(525 no burst, H width 3  $\mu$ S, 100IRE).

2. Set :  
CONT ..... 80%  
BRT ..... 50%
3. Connect the oscilloscope probe to A board CN401 Pin 3.
4. Put the unit into service mode.
5. Provisionally input an adjustment value of 69 for SUB BRT.
6. Adjust the pedestal or the distance between the sync tip and white with SUB CON (4 : 3 NOR), SUB CON (4 : 3 H/V DELAY), SUB CON (16 : 9 NOR), and SUB CON (16 : 9 H/V DELAY).

SUB CON (4 : 3 NOR) } (Fig. 9)  
SUB CON (16 : 9 NOR)  
SUB CON (4 : 3 H/V DELAY) } (Fig. 10).  
SUB CON (16 : 9 H/V DELAY)



	20"	14"	
		PVM-1354Q	PVM-1350/1351Q
4 : 3	1.55 Vp-p	1.50 Vp-p	1.40 Vp-p
16 : 9	1.40 Vp-p	1.33 Vp-p	1.24 Vp-p



	20"	14"	
		PVM-1354Q	PVM-1350/1351Q
4 : 3	1.55 Vp-p	1.50 Vp-p	1.40 Vp-p
16 : 9	1.40 Vp-p	1.33 Vp-p	1.24 Vp-p

#### 2-1. SUB PHASE Adjustment (PVM-1351Q/1354Q only)

1. Input a component color bar (R-Y) and EXT SYNC (Beta 0 level signal).
2. Put the unit into Ext Sync mode.
3. Connect the oscilloscope probe to IC404 Pin 30 or TP402.
4. Put the unit into service mode.
5. Adjust SUB PHASE to minimize the output waveform (15 mVp-p max.) (Fig. 11)

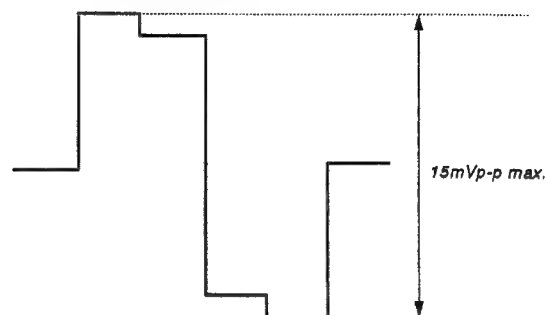


Fig. 11

#### 2-2. SUB PHASE Adjustment (PVM-1350 only)

1. Input a NTSC color bar signal.
2. Connect between L309 and ground and between TP507 and a 5V line (L320 line).
3. Put the unit into service mode.
4. Adjust SUB PHASE to minimize the output waveform (15 mVp-p max.) (Fig. 11)

#### 3-1. SUB CHROMA Adjustment (PVM-1351Q/1354Q only)

1. Input a component color bar (R-Y, Y, B-Y). (Beta 0 level signal).
2. From the menu, make the Component Level Beta 0.
3. Connect the oscilloscope probe to IC404 Pin 30 or TP402.
4. Put the unit into service mode.
5. Using SUB CHROMA NORMAL, adjust so that the tops of the waveform line up as in the diagram below. (Fig. 12)

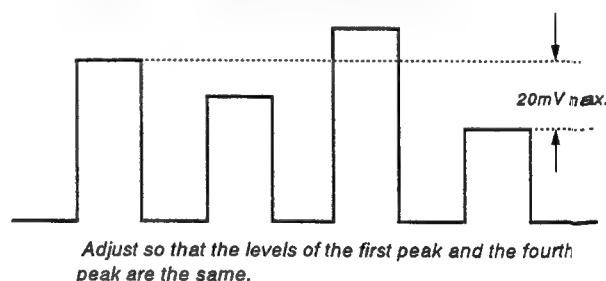


Fig. 12

#### 3-2. SUB CHROMA Adjustment (PVM-1350 only)

1. Put the unit into service mode.
2. Input an adjustment value of 98 for SUB CHROMA NORMAL. (Fig. 12)

**4. R-Y LEVEL ADJUSTMENT (PVM-1351Q/1354Q only)**

1. Input a component color bar (R-Y, Y, B-Y). (Beta 0 level signal).
2. From the menu, make the Component Level Beta 0.
3. Connect the oscilloscope probe to IC404 Pin 41 or TP401.
4. Put the unit into service mode.
5. Using **R-Y LEVEL COMPONENT**, adjust so that the tops of the waveform line up as in the diagram below. (Fig. 13)

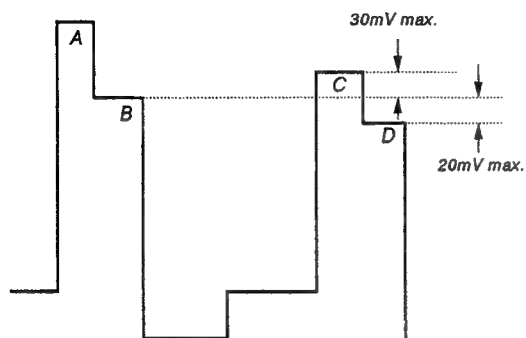


Fig. 13

Adjust so that B=D above (20 mV max.) Check that the difference between D and C is no greater than 30 mV

**5. SUB CHROMA N10/SMPTE Adjustment (PVM-1351Q/1354Q only)**

1. Input a component color bar (R-Y, Y, B-Y). (SMPTE level signal).
2. From the menu, make the Component Level N10/SMPTE.
3. Connect the oscilloscope probe to IC404 Pin 30 or TP402.
4. Put the unit into service mode.
5. In the same manner as in 4-5, adjust **SUB CHROMA N10/SMPTE**.

**6. BURST GATE PULSE WIDTH Adjustment**

1. Input an NTSC color bar.
2. Connect the oscilloscope probes to TP301 (COMP-SYNC) and Q363 or IC305 Pin 1. (Be careful! IC305 Pin 1 is a high-impedance line.)
3. Put the unit into service mode.
4. Adjust **BGP WIDTH** so that the output waveform has the relationship shown in Fig. 14.

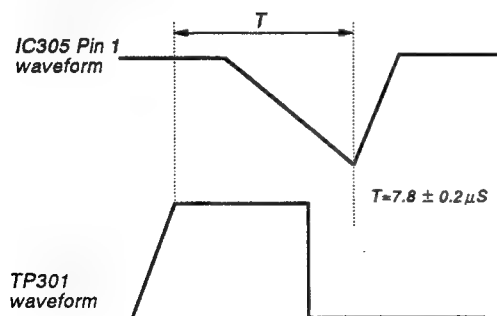
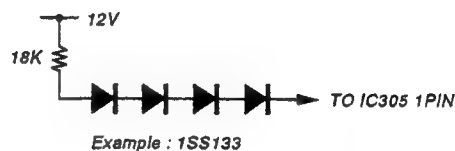


Fig. 14

**7. VXO Adjustment**

1. X'tal 358
  - 1) Input an NTSC color bar.
  - 2) Connect the frequency counter to IC305 Pin 21.
  - 3) Put the unit into service mode.
  - 4) Connect the circuit on the right to IC305 Pin 1.
  - 5) Adjust **CRYSTAL 358** so that the counter reading meets the standard below. (You can also just adjust for where the color flicker stops.)

X'tal 358

Standard level  $3.579545 \pm 20\text{Hz}$ 

(For connecting to Pin 1, have the four diodes as close to Pin 1 as possible to reduce the length of the wires.)

2. X'tal 443 (PVM-1351Q/1354Q only)

- 1) Input a 443 NTSC color bar.
- 2) Connect the frequency counter to IC305 Pin 21.
- 3) Put the unit into service mode.
- 4) Connect to IC305 Pin 1 in the same manner as in 1-4).
- 5) Adjust Crystal 443 in the same manner as in 1-5).

X'tal 443

Standard level  $4.433619 \pm 20\text{Hz}$ **8. NTSC COLOR DEMODULATION Adjustment**

- \* The adjustment in 8-1-3) is not necessary for PVM-1351Q/1354Q.
- \* The adjustment in 8-1-4) is not necessary for PVM-1350.

1. NT 358 PHASE (NORMAL)

- 1) Input an NTSC color bar.
- 2) Connect the oscilloscope probe to TP306.
- 3) Supply 4 VDC to IC305 Pin 4.
- 4) Put the unit into H/V delay mode.
- 5) Put the unit into service mode.
- 6) Adjust PHASE NTSC 358 NOR so that the output waveform burst section is a straight line. (Fig. 15)

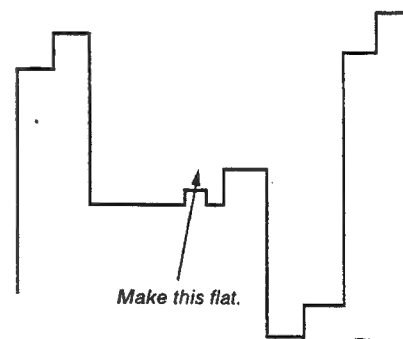


Fig. 15

2. NT358 PHASE (ACC OFF) (PVM-1351Q/1354Q only)

- 1) Switch ACC Off with the menu.
- 2) Adjust in the same manner as in 8-1 above, but adjust with **PHASE NTSC 358 ACC OFF**. (Fig. 15)

### 3. NT358 B-Y PHASE

The phase adjustment must be carried out before the chroma adjustment.

- 1) Input an NTSC color bar.  
(Input only the R-Y component. Have B-Y and Y off.)
- 2) Connect the oscilloscope probe to TP305.
- 3) Put the unit into service mode.
- 4) Adjust **B-Y PHASE NTSC 358** so that the color components form a straight line.

### 4. NT358 CHROMA (NORMAL)

- 1) Input an NTSC color bar.
- 2) Connect the oscilloscope probe to IC404 Pin 30 or TP402.
- 3) Put the unit into service mode.
- 4) Using **CHROMA NTSC 358 NOR**, adjust so that the tops of the waveform line up as in the diagram below. (Fig. 16)

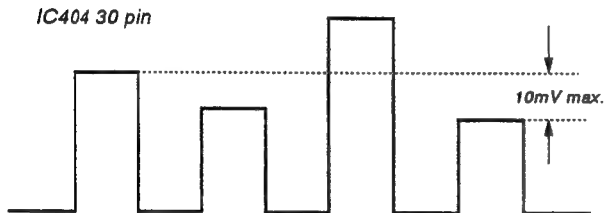


Fig. 16

Adjust so that the levels of the first peak and the fourth peak are the same.

### 5. NT 358 CHROMA (ACC OFF) (PVM-1351Q/1354Q only)

- 1) Switch ACC Off with the menu.
- 2) Adjust **CHROMA NTSC 358 ACC OFF** in the same manner as 8-4 above. (Fig. 16)

### 6. NTSC 358 R-Y LEVEL

- 1) Input an NTSC358 color bar.
- 2) Connect the oscilloscope probe to IC404 Pin 41 or TP401.
- 3) Put the unit into service mode.
- 4) Using **R-Y LEVEL NTSC 358**, adjust so that the tops of the waveform line up as in the diagram below. (Fig. 17)

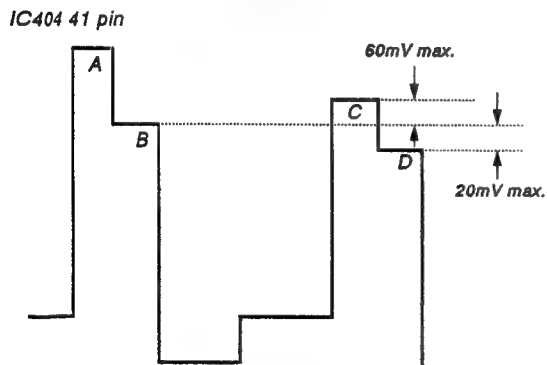


Fig. 17

Adjust so that B=D above (20 mV max.) Check that the difference between B and C is no greater than 60 mV.

### 7. NTSC 443 PHASE (NORMAL) (PVM-1351Q/1354Q only)

\* The adjustment in 8-7-3) is not necessary for PVM-1351Q/1354Q.

- 1) Input an NTSC 443 color bar.
- 2) Connect the oscilloscope probe to TP306.
- 3) Supply 4 VDC to IC305 Pin 4.
- 4) Put the unit into H/V delay mode.
- 5) Put the unit into service mode.
- 6) Adjust **PHASE NTSC 443 NOR** so that the output waveform burst section is a straight line. (Fig. 18)

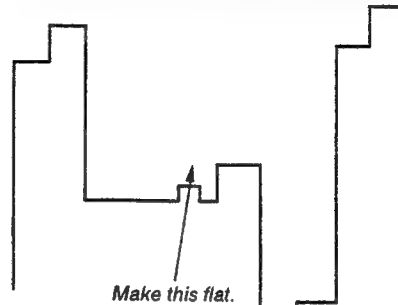


Fig. 18

### 8. NTSC 443 PHASE (ACC OFF) (PVM-1351Q/1354Q only)

- 1) Switch ACC Off with the menu.
- 2) Adjust **PHASE NTSC 443 ACC OFF** in the same manner as in 7-5). above. (Fig. 20)

### 9. NTSC 443 B-Y PHASE (PVM-1351Q/1354Q only)

#### NTSC 443 CHROMA NOR

- 1) Input an NTSC 443 color bar.
- 2) Connect the oscilloscope probe to TP402.
- 3) Put the unit into service mode.
- 4) Adjust **B-Y PHASE NTSC 443** and **CHROMA NTSC 443 NOR** so that the tracking is normal and the tops of the waveform line up. (Fig. 19)

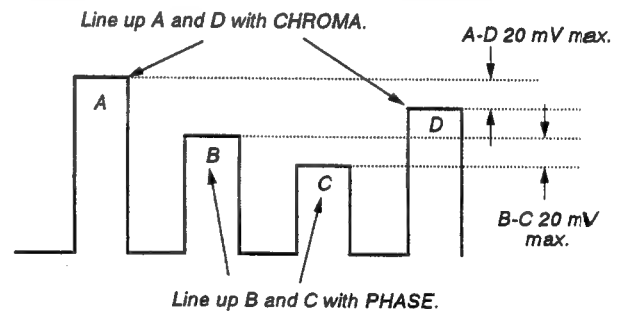


Fig. 19

### 10. NTSC 443 CHROMA (ACC OFF) (PVM-1351Q/1354Q only)

- 1) Switch ACC Off with the menu.
- 2) Adjust **CHROMA NTSC 443 ACC OFF** in the same manner as 9-4). (Fig. 22)



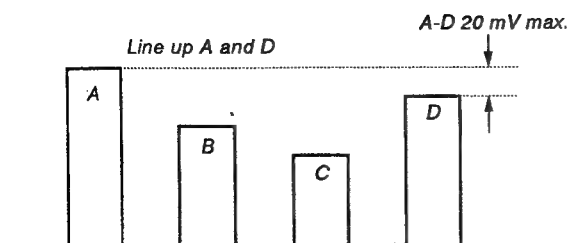


Fig. 20

#### 11. NTSC 443 R-Y LEVEL (PVM-1351Q/1354Q only)

- 1) Input an NTSC 443 color bar.
- 2) Connect the oscilloscope probe to TP401.
- 3) Put the unit into service mode.
- 4) Adjust **R-Y LEVEL NTSC 443** in the same manner as 6-4). (Fig. 17)

#### 12. PAL PHASE (NORMAL) (PVM-1351Q/1354Q only)

- 1) Input a PAL SP color bar.
- 2) Connect the oscilloscope probe to TP306.
- 3) Put the unit into service mode.
- 4) Adjust **PHASE PAL NOR** so that the B-Y anti-PAL signal waveform is 0. (Fig. 21)

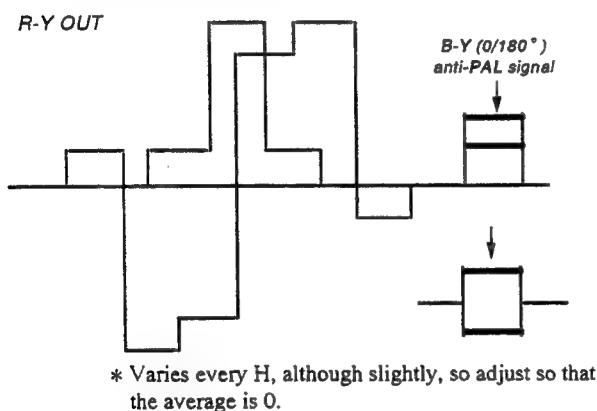


Fig. 21

#### 13. PLL PHASE (ACC OFF) (PVM-1351Q/1354Q only)

- 1) Switch ACC Off with the menu.
- 2) Adjust **PHASE PAL ACC OFF** in the same manner as 12-4).

#### 14. PAL B-Y PHASE (PVM-1351Q/1354Q only)

- 1) Input a PAL SP color bar.
- 2) Connect the oscilloscope probe to TP305.
- 3) Put the unit into service mode.
- 4) Adjust **B-Y PHASE PAL** so that the B-Y anti-PAL signal waveform is 0. (Fig. 22)

(R-Y OUT)

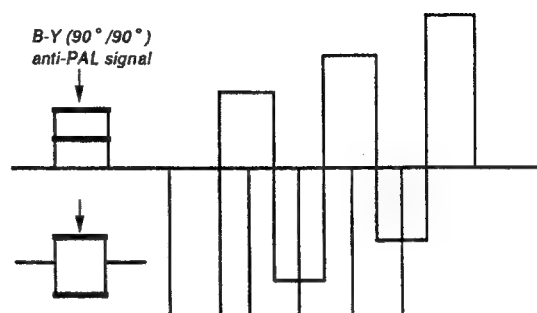


Fig. 22

#### 15. PAL CHROMA (NORMAL) (PVM-1351Q/1354Q only)

- 1) Input a PAL color bar.
- 2) Connect the oscilloscope probe to IC404 Pin 30 or TP402.
- 3) Put the unit into service mode.
- 4) Adjust **CHROMA PAL NOR** so that the tops of the waveform line up. (Fig. 23)

Adjust so that the B and D peaks are the same.

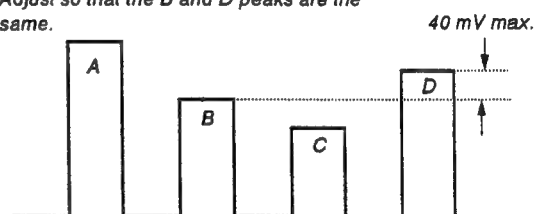


Fig. 23

#### 16. PAL CHROMA (ACC OFF) (PVM-1351Q/1354Q only)

- 1) Switch ACC Off with the menu.
- 2) Adjust **CHROMA PAL ACC OFF** in the same manner as 15-4). (Fig. 23)

# 17. PAL R-Y LEVEL (PVM-1351Q/1354Q only)

- 1) Input a PAL color bar.
- 2) Connect the oscilloscope probe to IC404 Pin 41 or TP401.
- 3) Put the unit into service mode.
- 4) Adjust **R-Y LEVEL PAL** so that the tops of the waveform line up as in the diagram below. (Fig. 24)

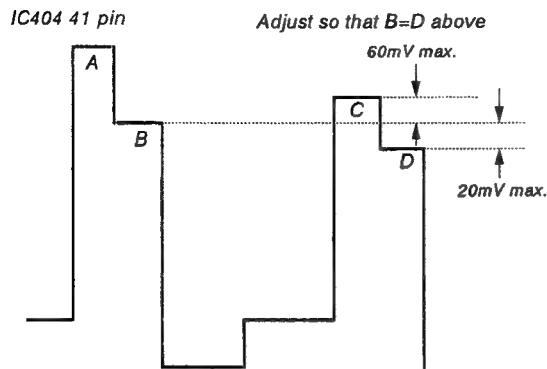


Fig. 24

## 9. SECAM Adjustmet

\* This must be done after the deflection adjustment.

**Note :** Varies with H-FREQ, H-BLK, VIDEO-PHASE, ANGLE, BOW, H-DELAY, etc.

### 1. HP EIDTH (NORMAL) ADJUSMTNET (PVM-1351Q/1354Q only)

The board adjustment in 9.-1. is a rough adjustment and this may also be managed with the IC317 Pin 10 pulse width.

- 1) Input a SECAM color bar.
- 2) Put the unit into under scan mode.
- 3) Put the unit into service mode.
- 4) Adjust **HP WIDTH NOR** so that the color of the color section at the top left of the screen almost disappears.

### 2. HP POSITIOM ADJUSMTNET (PVM-1351Q/1354Q only)

**Note :** 9.-2. is the same as above. This adjustment can be managed with the phase relationship between the start of the pulse at IC317 Pin 10 and the input video signal.

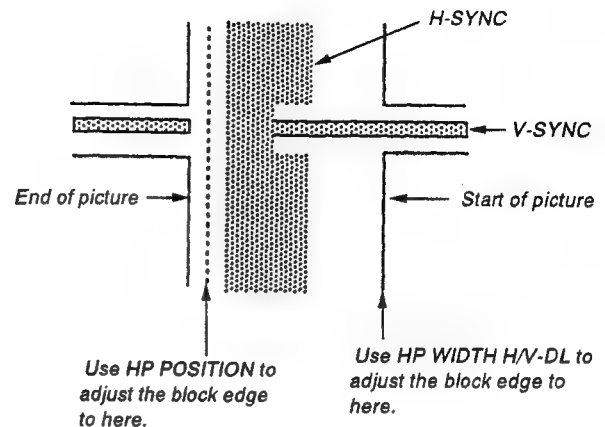
- 1) Input a SECAM color bar.
- 2) Put the unit into H/V delay mode.
- 3) Put the unit into service mode.
- 4) Adjust **HP POSITION** as in the diagram on the right.

### 3. HP WIDTH (H/V -DL) ADJUSMTNET (PVM-1351Q/1354Q only)

- 1) Input a SECAM color bar.
- 2) Put the unit into H/V delay mode.
- 3) Put the unit into service mode.

- 4) Adjust HP WIDTH H/V DELAY as in the diagram below.

**Note :** Check the HP POSITION and if it is off, repeat 2 and 3.



### 4. SECAM COL BALANCE (PVM-1351Q/1354Q only)

- 1) Input a SECAM color bar.
- 2) Connect the oscilloscope probe to TP306.
- 3) Put the unit into service mode.
- 4) Adjust **SECAM COLOR BALANCE R-Y** so that the non-color section forms a straight line.
- 5) Connect the oscilloscope probe to TP305.
- 6) Adjust **SECAM COLOR BALANCE B-Y** so that the non-color section forms a straight line.

### 5. SECAM CHROMA (PVM-1351Q/1354Q only)

- 1) Input a SECAM color bar.
- 2) Connect the oscilloscope probe to IC404 Pin 30 or TP402.
- 3) Put the unit into service mode.
- 4) Adjust **CHROMA SECAM** so that the tops of the waveform line up as in the diagram below. (Fig. 25)

IC404 30 pin

Adjust so that the B and D peaks are the same.

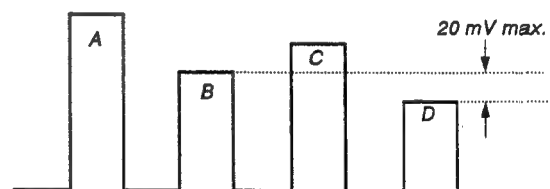
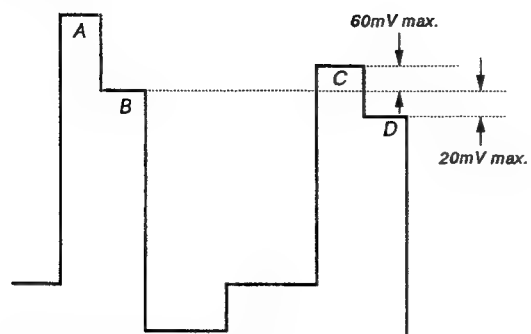


Fig. 25

### 6. SECAM R-Y LEVEL (PVM-1351Q/1354Q only)

- 1) Input a SECAM color bar.
- 2) Connect the oscilloscope probe to IC404 Pin 41 or TP401.
- 3) Put the unit into service mode.
- 4) Adjust **R-Y LEVE SECAM** so that the tops of the waveform line up as in the diagram below. (Fig. 26)

IC404 41 pin



Adjust so that B=D above

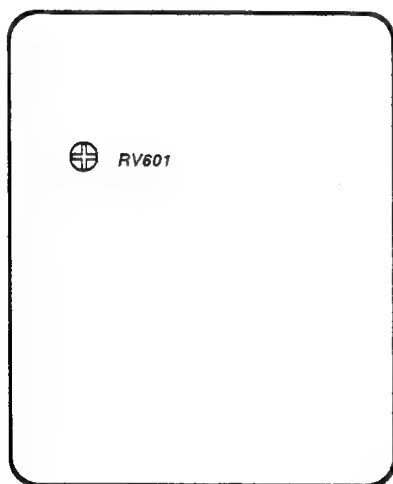
Fig. 26

## 10. Writing the adjustment results

1. Write the adjustment results into memory.

## 5-2. G BOARD ADJUSTMENT

G BOARD – COMPONENT SIDE –



### 1. Checking the output lines

- 1) Input a color bar signal.
- 2) Adjust RV601 so that the +B voltage is  $115 \pm 0.1$  V.
- 3) Check that the output lines meet the standards below.

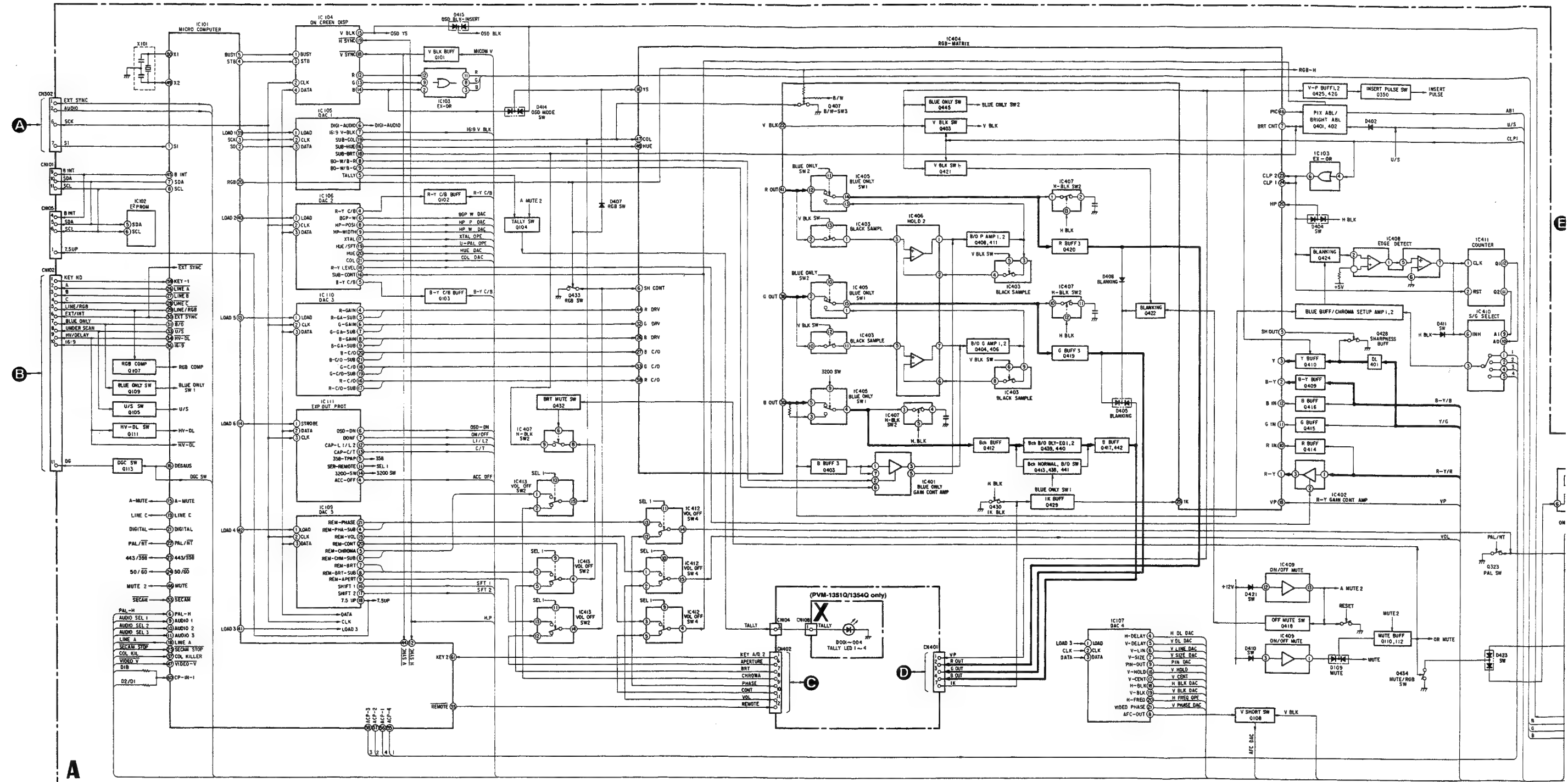
15V	$16.0 \pm 1.0$ V
5V(A)	$5.0 \pm 0.3$ V
5V(B)	$5.0 \pm 0.5$ V
7V	$7.2 \pm 0.5$ V
- 15V	$- 16.3 \pm 1.0$ V

## MEMO

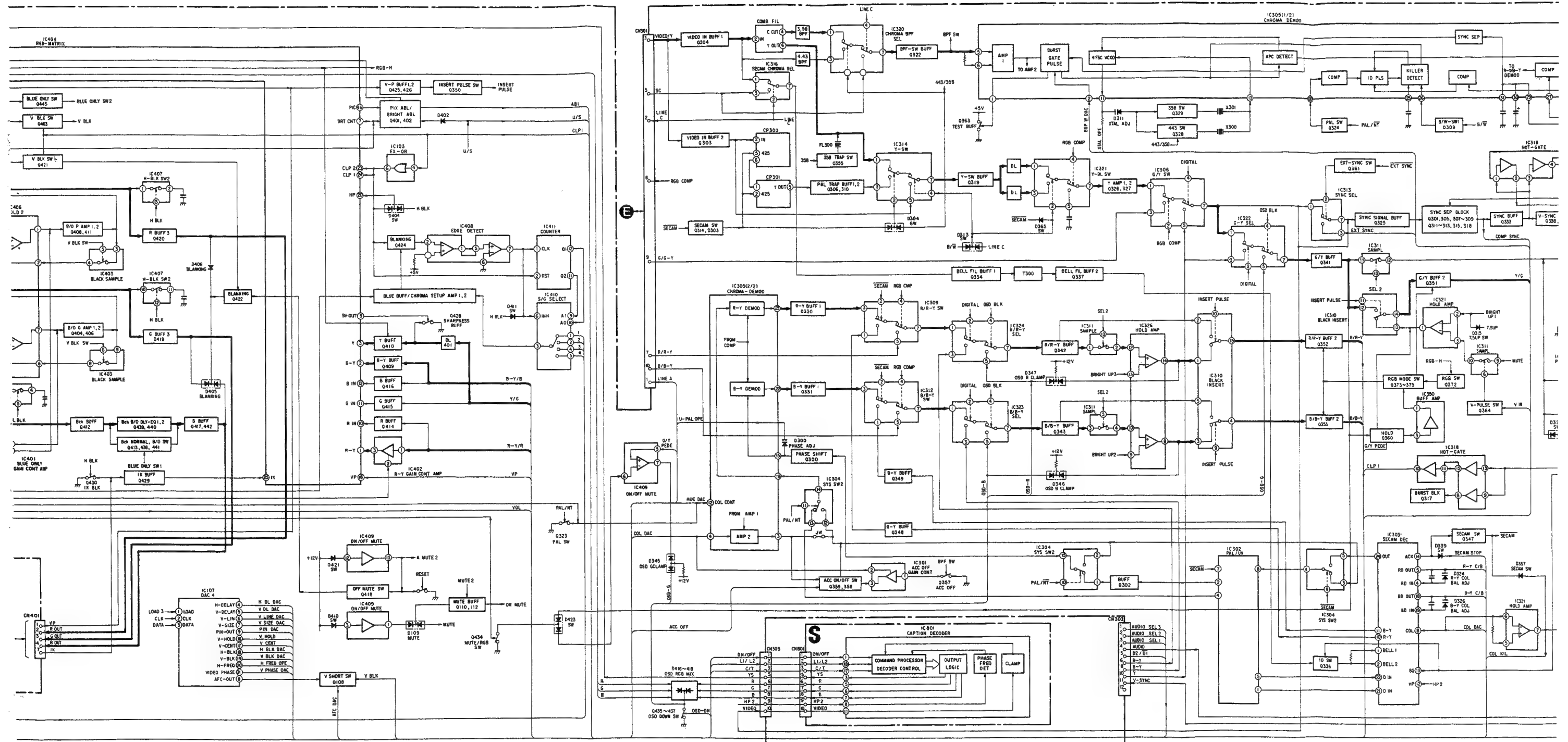
[illegible]

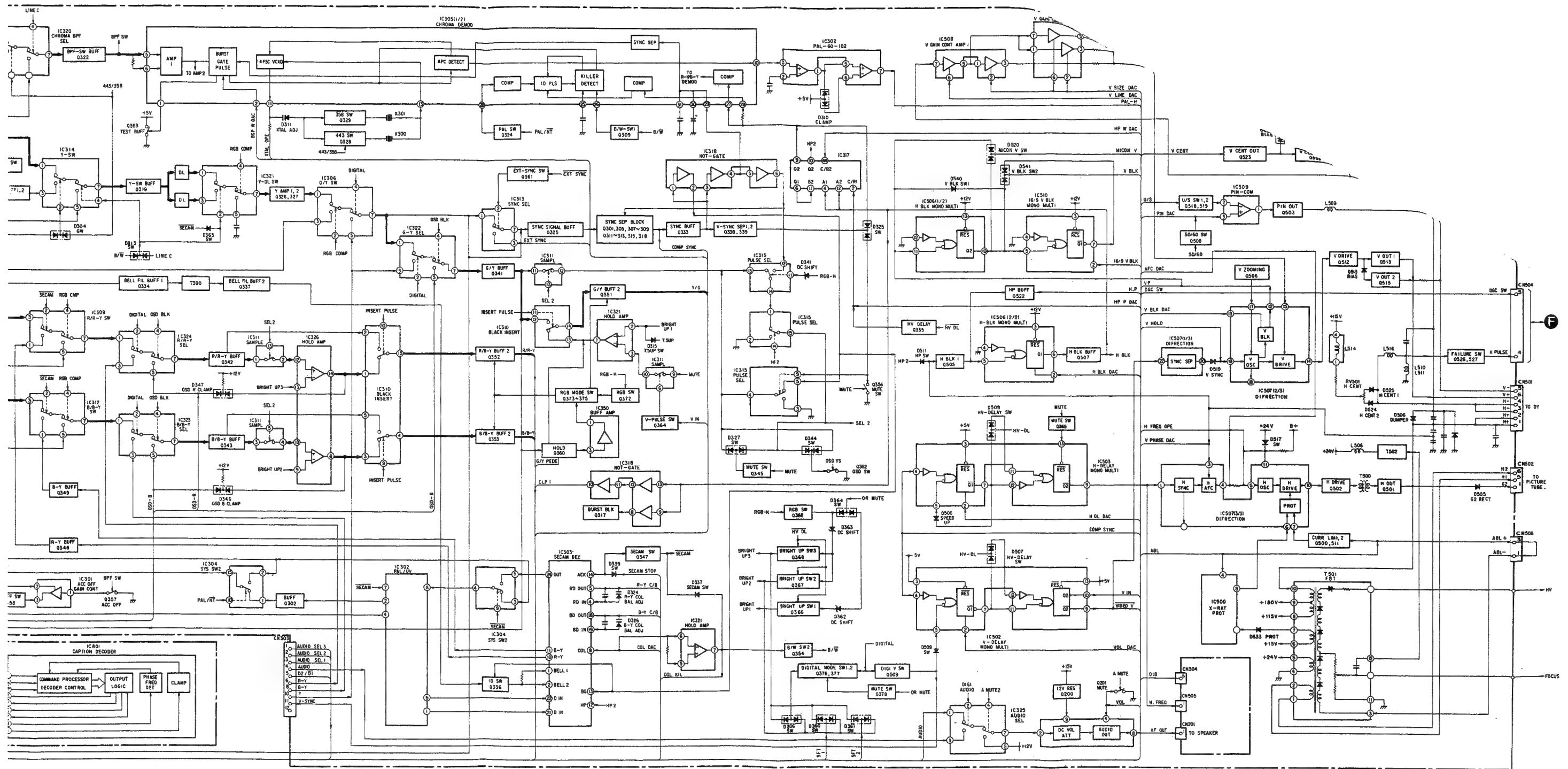
# SECTION 6 DIAGRAMS

## 6-1. BLOCK DIAGRAMS (1)





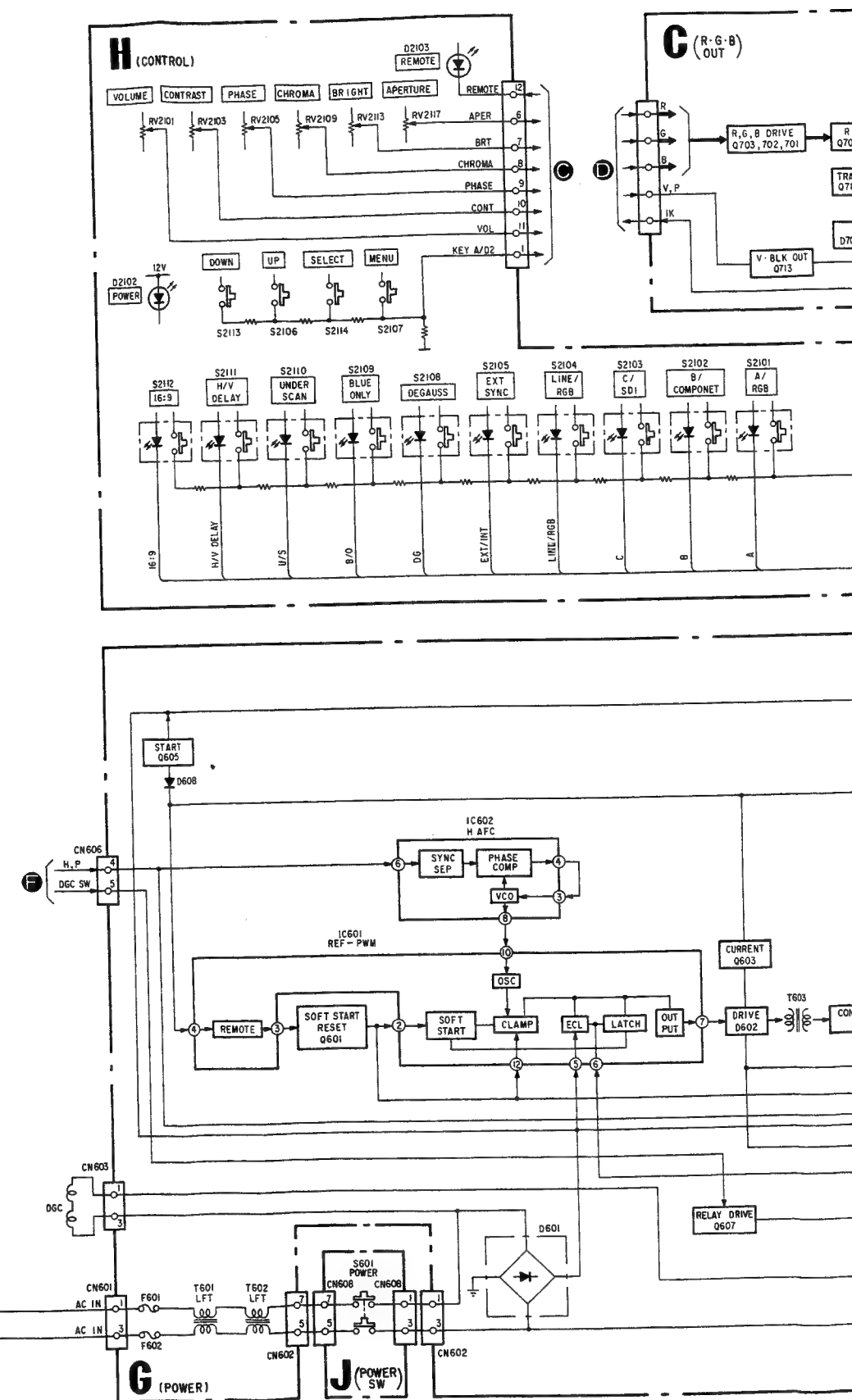


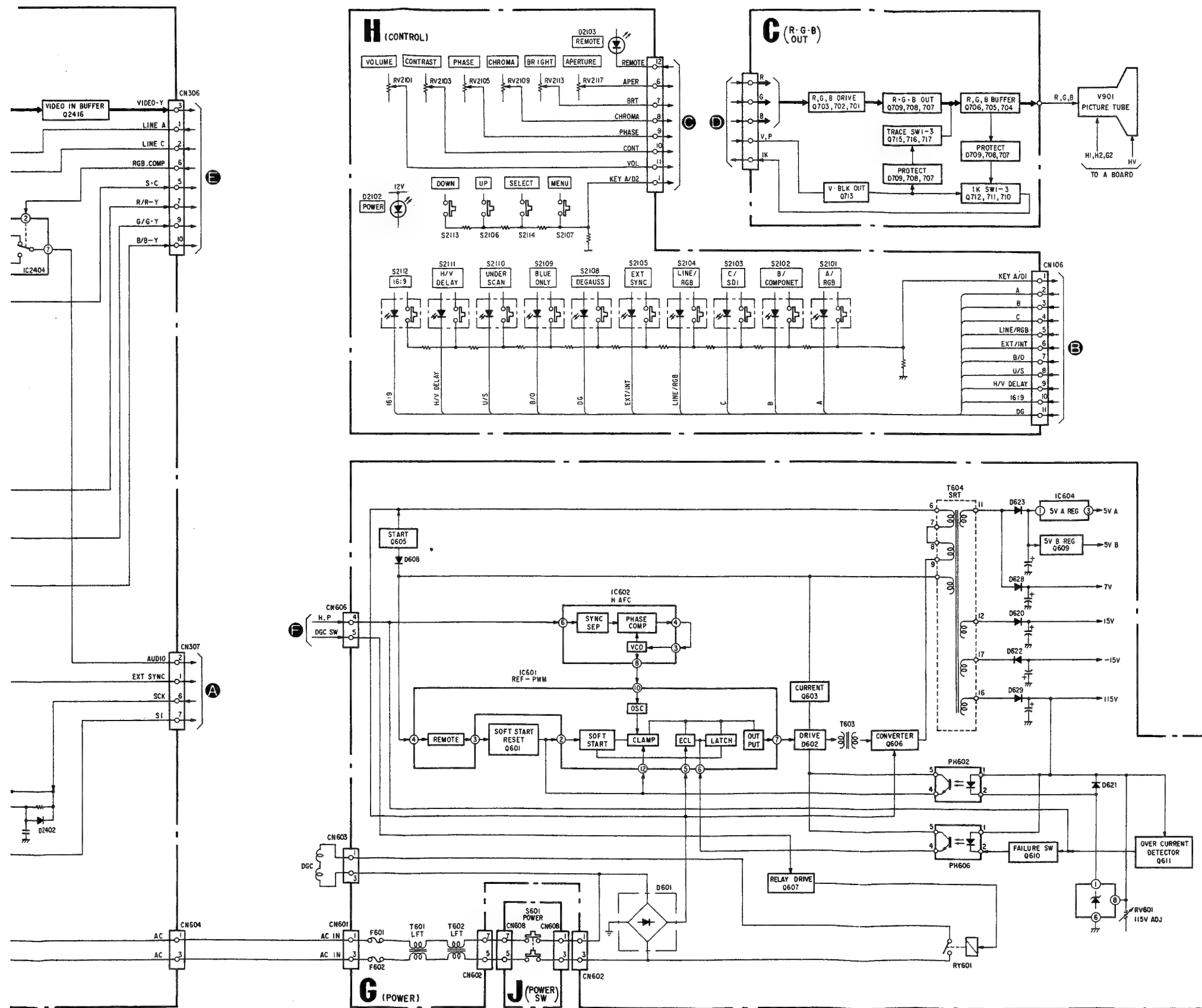


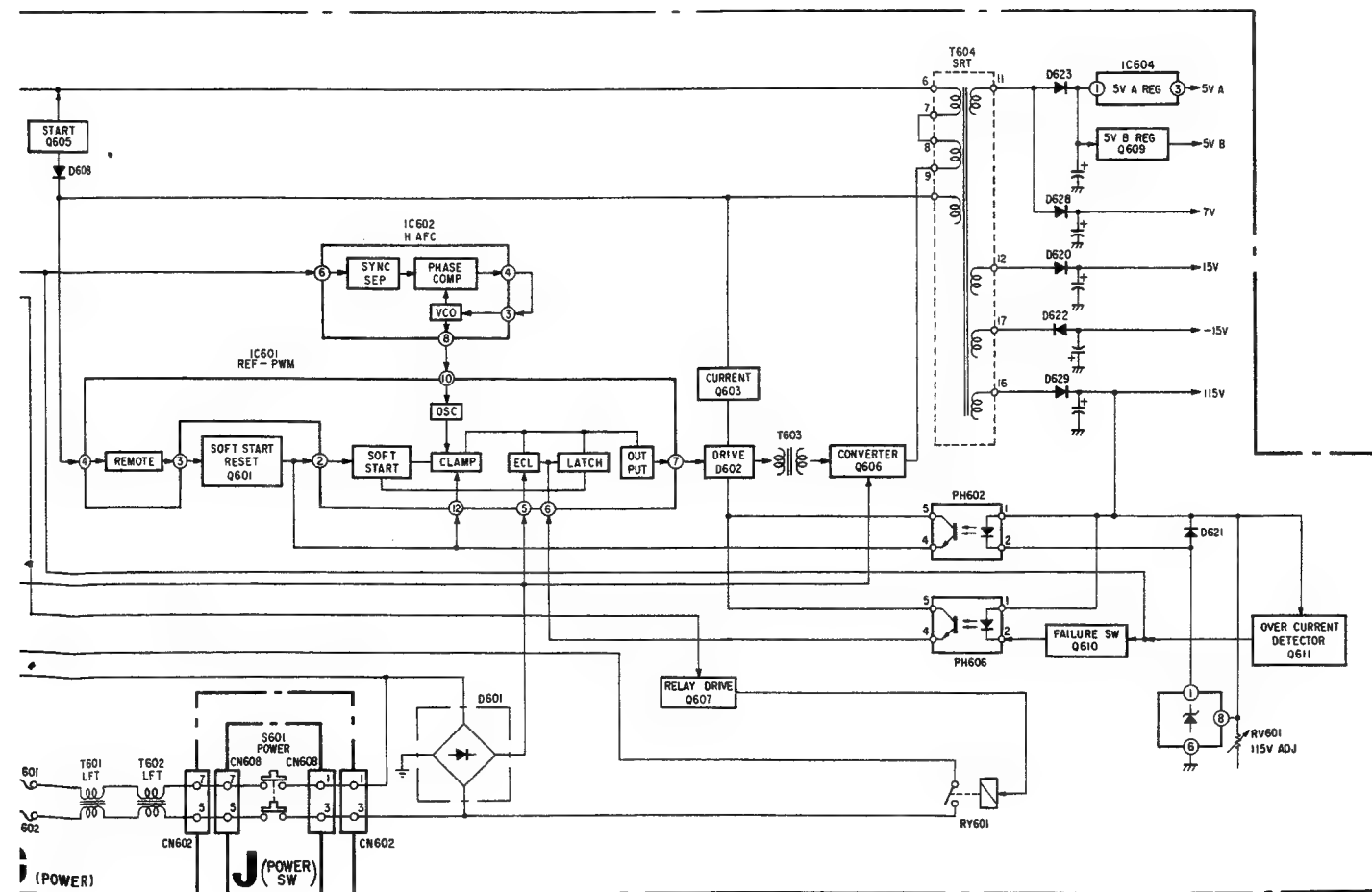
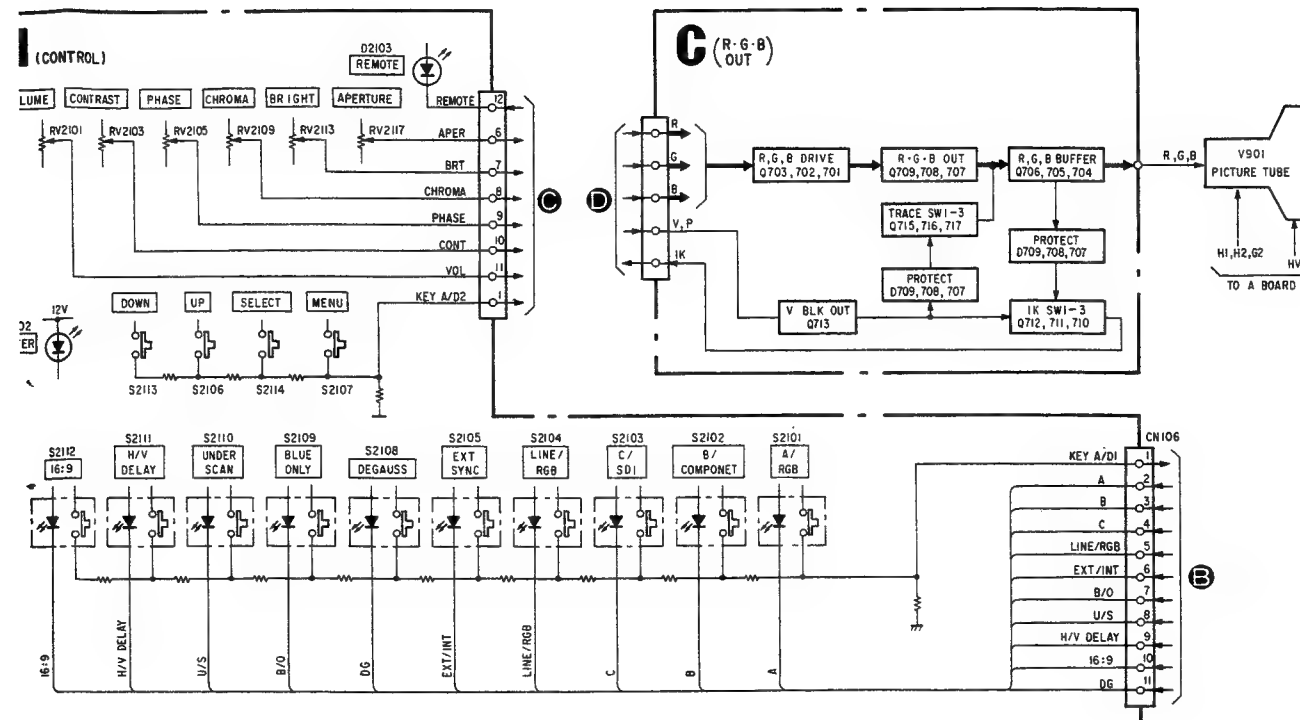


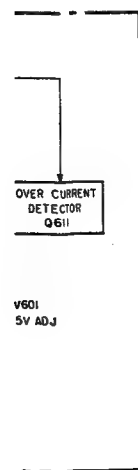
**Q (INPUT SIGNAL SELECT)**

The diagram illustrates the input signal selection circuitry. It features multiple input channels: VIDEO (LINE A, LINE B), AUDIO (LINE A, LINE B), LINE C (Y/C, S-AUDIO), and RGB/COMPONENT (R/R-Y, G/Y, B/B-Y, AUDIO, EXT SYNC). Each channel has a corresponding buffer (e.g., V.A. BUFFER Q2417, V.B. BUFFER Q2415, A.A. BUFFER Q2405, A.B. BUFFER Q2404, Y. BUFFER Q2414, A.S. BUFFER Q2403, R. BUFFER Q2411, G. BUFFER Q2410, B. BUFFER Q2409, A. RGB BUFFER Q2402, S. BUFFER Q2408). These buffers feed into a central switching circuit controlled by IC2401 (SHIFT REGISTER II) and IC2403. The switching circuit directs the signals to the appropriate output channels (VIDEO-Y, LINE A, LINE C, RGB.COMP, S-C, R/R-Y, G/G-Y, B/B-Y, AUDIO, EXT SYNC). A video in buffer (Q2416) is also present. A remote control is shown with its buttons connected to a 16:9 control switch (Q2418) and a shift register (IC2401). The remote buttons include LINE A, LINE B, LINE C, LINE/RGB, EXT SYNC, B/O, N/V DELAY, 16:9, D.G., REMOTE, TALLY, MAIN/SUB, L CH ON/OFF, and R CH ON/OFF. The shift register (IC2401) outputs (P1-P8, Q8, P/S CONT, CL, S1) are connected to the switching circuit. A diode D2402 is also shown.

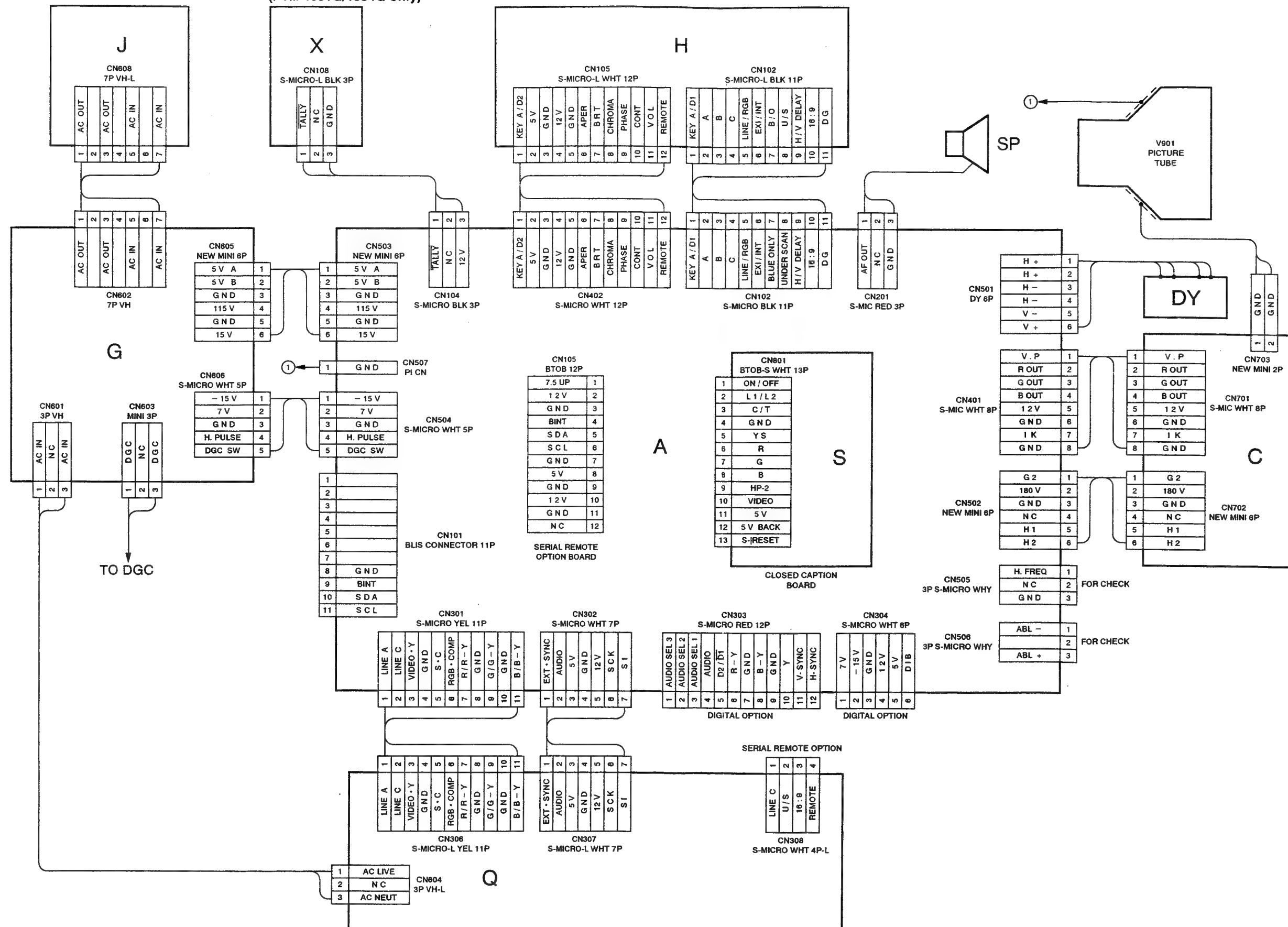


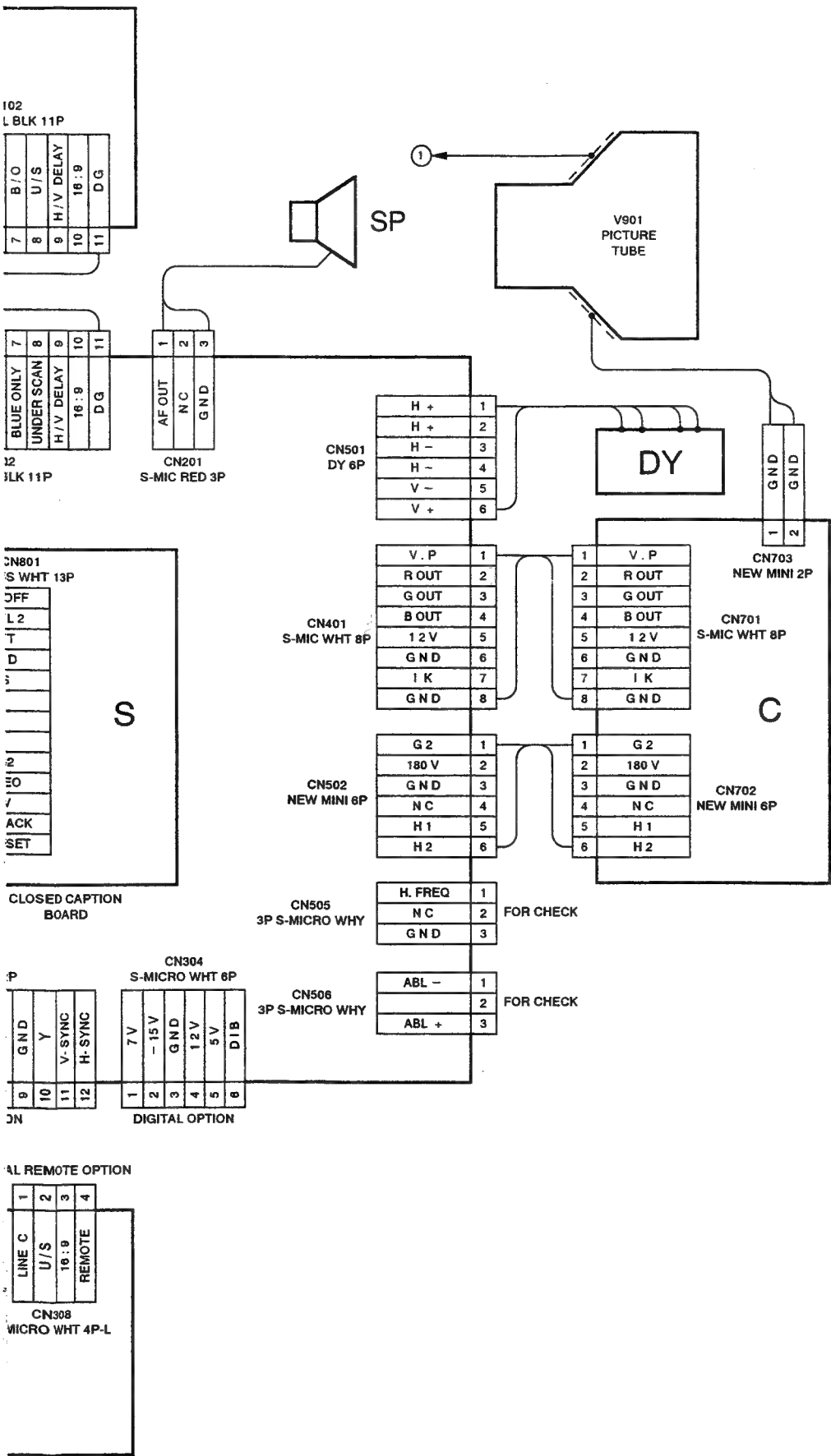




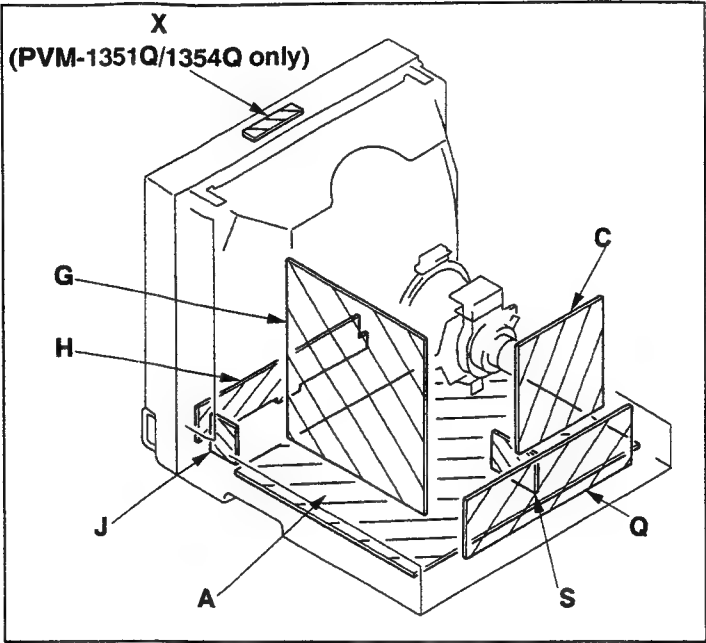


**(PVM-1351Q/1354Q only)**





6-3. CIRCUIT BOARDS LOCATION



- All voltages are in V.
- Voltage are dc with respect to ground unless otherwise noted.
- Readings are taken with a color-bar signal input.
- Voltage variations may be noted due to normal production tolerances.
- — : B + bus.
- - - - : B - bus.
- : signal path.
- No mark : with PAL colour-bar signal received or common voltage.
- For the respective voltage ratings in SECAM, NTSC 3.58, NTSC 4.43, S-VIDEO, and ANALOG RGB modes, see the table

Reference information

RESISTOR	: RN	METAL FILM
	: RC	SOLID
	: FPRD	NONFLAMMABLE CARBON
	: FUSE	NONFLAMMABLE FUSIBLE
	: RW	NONFLAMMABLE WIREWOUND
	: RS	NONFLAMMABLE METAL OXIDE
	: RB	NONFLAMMABLE CEMENT
COIL	: LF-8L	MICRO INDUCTOR
CAPACITOR	: TA	TANTALUM
	: PS	STYROL
	: PP	POLYPROPYLENE
	: PT	MYLAR
	: MPS	METALIZED POLYESTER
	: MPP	METALIZED POLYPROPYLENE
	: ALB	BIPOLAR
	: ALT	HIGH TEMPERATURE
	: ALR	HIGH RIPPLE

6-4. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

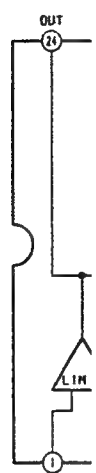
- Note:
- All capacitors are in  $\mu F$  unless otherwise noted.  $\mu F$ :  $\mu F$
  - 50 WV or less are not indicated except for electrolytics.
  - Indication of resistance, which does not have one for rating electrical power, is as follows.
- Pitch: 5 mm  
Rating electrical power  $\frac{1}{4}$  W
- All resistors are in ohms.
  - : nonflammable resistor.
  - : fusible resistor.
  - : internal component.
  - : panel designation, and adjustment for repair.
  - All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
  - The components identified by  $\square$  in this basic schematic diagram have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.
  - When replacing components identified by  $\square$ , make the necessary adjustments indicated. If results do not meet the specified value, change the component identified by  $\square$  and repeat the adjustment until the specified value is achieved. (Refer to R690 adjust on Page 29 and 30.)
  - When replacing the part in below table, be sure to perform the related adjustment.

Part replaced ( $\square$ )	Adjustment ( $\square$ )
C506, C512, C513, C523, C549, C592, D501, D533, IC500, IC507, Q500, Q511, R506, R508, R515, R516, R517, R518, R519, R551, R1535, R1536, R1537, R1560, T501 ..... (A BOARD) C603, IC602 ..... (G BOARD)	R1535, R1536 (HOLD-DOWN)

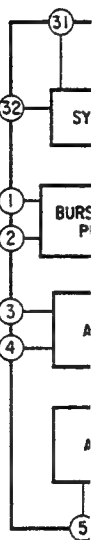
Note: The components identified by shading and mark  $\triangle$  are critical for safety. Replace only with part number specified.

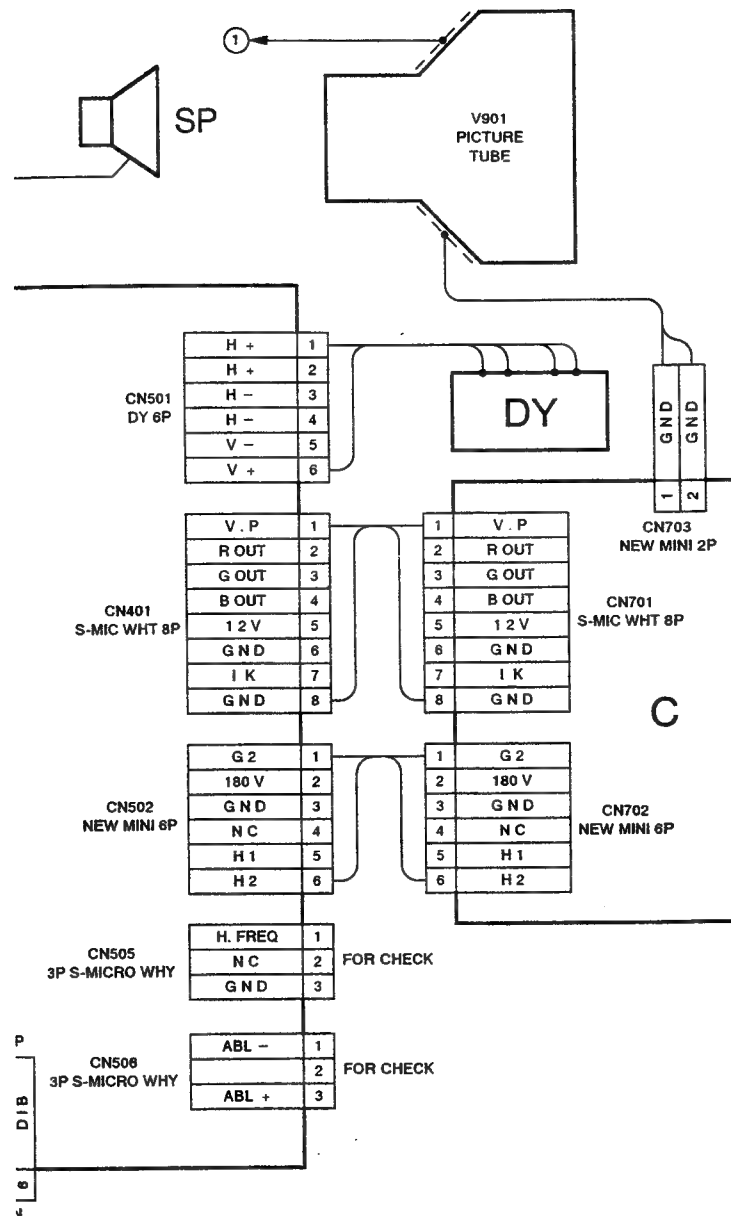
Note: Les composants identifiés par une trame et par une marque  $\triangle$  sont d'une importance critique pour la sécurité. Ne les remplacer que par des pièces de numéro spécifié.

A BOA

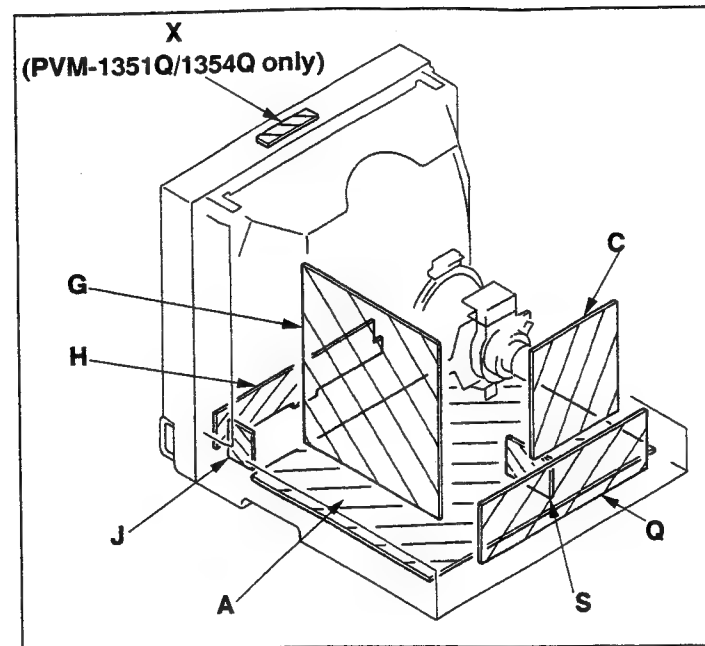


A BOAI





### 6-3. CIRCUIT BOARDS LOCATION



### 6-4. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

#### Note:

- All capacitors are in  $\mu\text{F}$  unless otherwise noted.  $\text{pF}$ :  $\mu\text{pF}$  50 WV or less are not indicated except for electrolytics.
- Indication of resistance, which does not have one for rating electrical power, is as follows.

Pitch: 5 mm  
Rating electrical power  $\frac{1}{4}$  W

- All resistors are in ohms.
- : nonflammable resistor.
- : fusible resistor.
- : internal component.
- : panel designation, and adjustment for repair.
- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
- The components identified by in this basic schematic diagram have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.
- When replacing components identified by , make the necessary adjustments indicated. If results do not meet the specified value, change the component identified by and repeat the adjustment until the specified value is achieved. (Refer to R690 adjust on Page 29 and 30.)
- When replacing the part in below table, be sure to perform the related adjustment.

Part replaced ()	Adjustment ()
C506, C512, C513, C523, C549, C592, D501, D533, IC500, IC507, Q500, Q511, R506, R508, R515, R516, R517, R518, R519, R551, R1535, R1536, R1537, R1560, T501 ..... (A BOARD)	R1535, R1536 (HOLD-DOWN)
C603, IC602.....(G BOARD)	

- All voltages are in V.
- Voltage are dc with respect to ground unless otherwise noted.
- Readings are taken with a color-bar signal input.
- Voltage variations may be noted due to normal production tolerances.
- : B + bus.
- : B - bus.
- : signal path.
- No mark : with PAL colour-bar signal received or common voltage.
- For the respective voltage ratings in SECAM, NTSC 3.58, NTSC 4.43, S-VIDEO, and ANALOG RGB modes, see the table

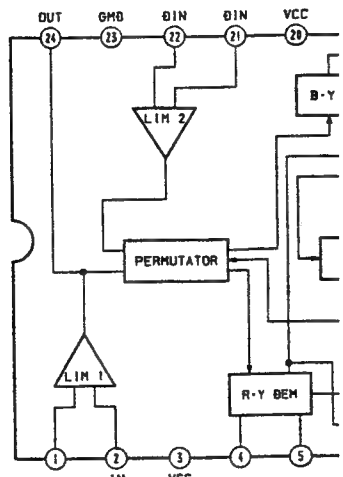
#### Reference information

RESISTOR	: RN	METAL FILM
	: RC	SOLID
	: FPRD	NONFLAMMABLE CARBON
	: FUSE	NONFLAMMABLE FUSIBLE
	: RW	NONFLAMMABLE WIREWOUND
	: RS	NONFLAMMABLE METAL OXIDE
	: RB	NONFLAMMABLE CEMENT
COIL	: LF-8L	MICRO INDUCTOR
CAPACITOR	: TA	TANTALUM
	: PS	STYROL
	: PP	POLYPROPYLENE
	: PT	MYLAR
	: MPS	METALIZED POLYESTER
	: MPP	METALIZED POLYPROPYLENE
	: ALB	BIPOLAR
	: ALT	HIGH TEMPERATURE
	: ALR	HIGH RIPPLE

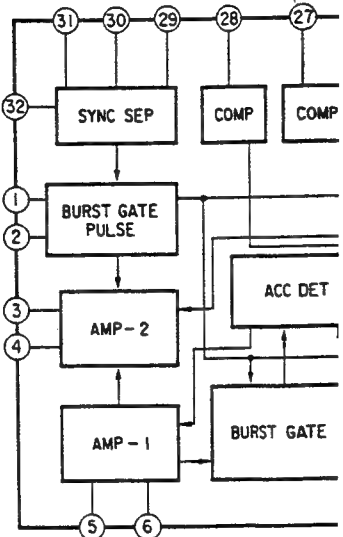
Note: The components identified by shading and mark are critical for safety. Replace only with part number specified.

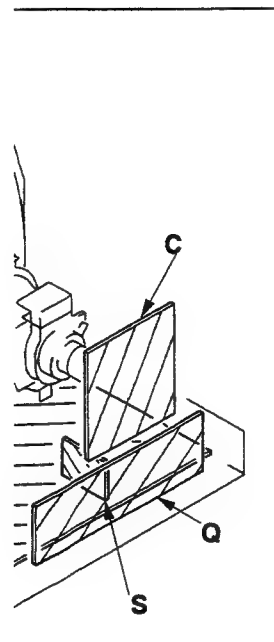
Note: Les composants identifiés par une trame et par une marque sont d'une importance critique pour la sécurité. Ne les remplacer que par des pièces de numéro spécifié.

### A BOARD IC303 CXA1214F



### A BOARD IC305 M51279FF





- All voltages are in V.
- Voltage are dc with respect to ground unless otherwise noted.
- Readings are taken with a color-bar signal input.
- Voltage variations may be noted due to normal production tolerances.
- — : B + bus.
- - - - : B - bus.
- : signal path.
- No mark : with PAL colour-bar signal received or common voltage.
- For the respective voltage ratings in SECAM, NTSC 3.58, NTSC 4.43, S-VIDEO, and ANALOG RGB modes, see the table

#### Reference information

RESISTOR	: RN	METAL FILM
	: RC	SOLID
	: FPRD	NONFLAMMABLE CARBON
	: FUSE	NONFLAMMABLE FUSIBLE
	: RW	NONFLAMMABLE WIREWOUND
	: RS	NONFLAMMABLE METAL OXIDE
	: RB	NONFLAMMABLE CEMENT
COIL	: LF-8L	MICRO INDUCTOR
CAPACITOR	: TA	TANTALUM
	: PS	STYROL
	: PP	POLYPROPYLENE
	: PT	MYLAR
	: MPS	METALIZED POLYESTER
	: MPP	METALIZED POLYPROPYLENE
	: ALB	BIPOLAR
	: ALT	HIGH TEMPERATURE
	: ALR	HIGH RIPPLE

#### SCHEMATIC DIAGRAMS

ed. pF:  $\mu\mu\text{F}$   
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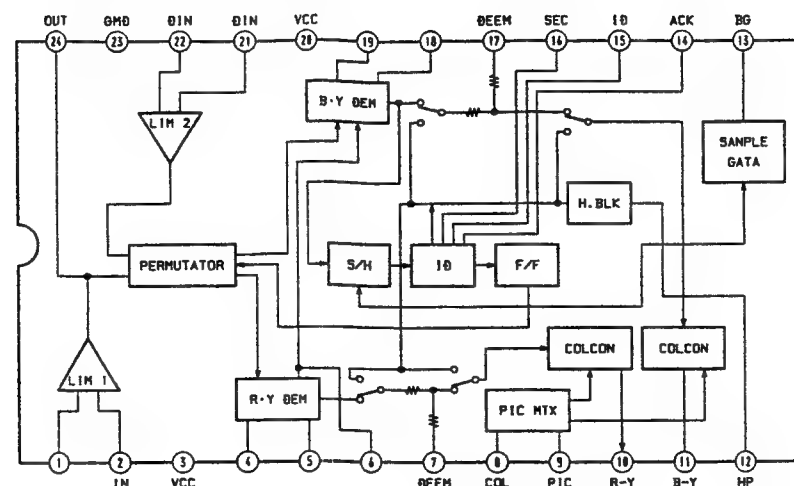
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to perform the

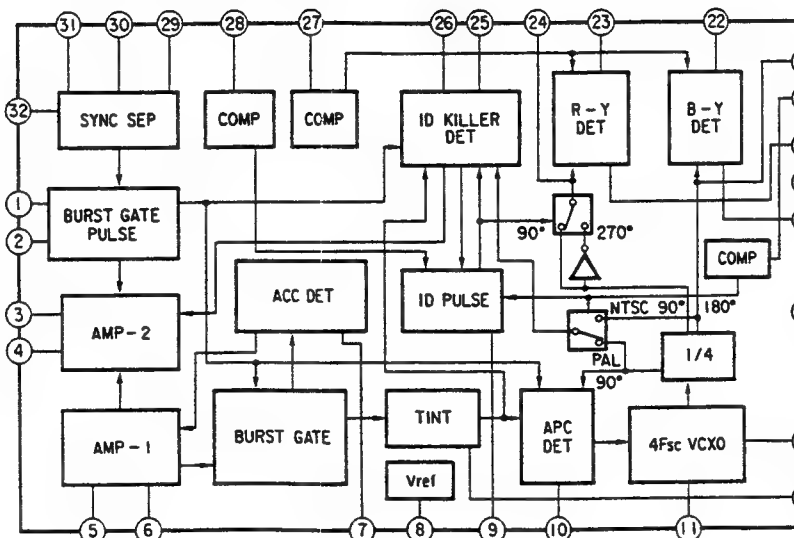
ment (X)

5, R1536  
D-DOWN)

#### A BOARD IC303 CXA1214P



#### A BOARD IC305 M51279FP



Note: The components identified by shading and mark are critical for safety. Replace only with part number specified.

Note: Les composants identifiés par une trame et par une marque sont d'une importance critique pour la sécurité. Ne les remplacer que par des pièces de numéro spécifié.



A

MICON, RGB-MATRIX, DAC,  
ON SCREEN DISPLAY, ON/OFF MUTE,  
VOL OFF SW, BLACK-SAMPLING, RGB SW

CHROMA DEMOD, SECAM CHROMA SELECT, SYSTEM SW,  
SYNC SELECT, B/B-Y SW, R/R-Y SW, G/Y SW,  
AUDIO SELECT, SECAM DECORDER, HOLD AMP

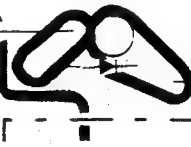
H/V OUT, DEFLECTION SYSTEM,  
AUDIO OUT

Note :  
• : Pattern from the side wh  
• : Pattern of the rear side.

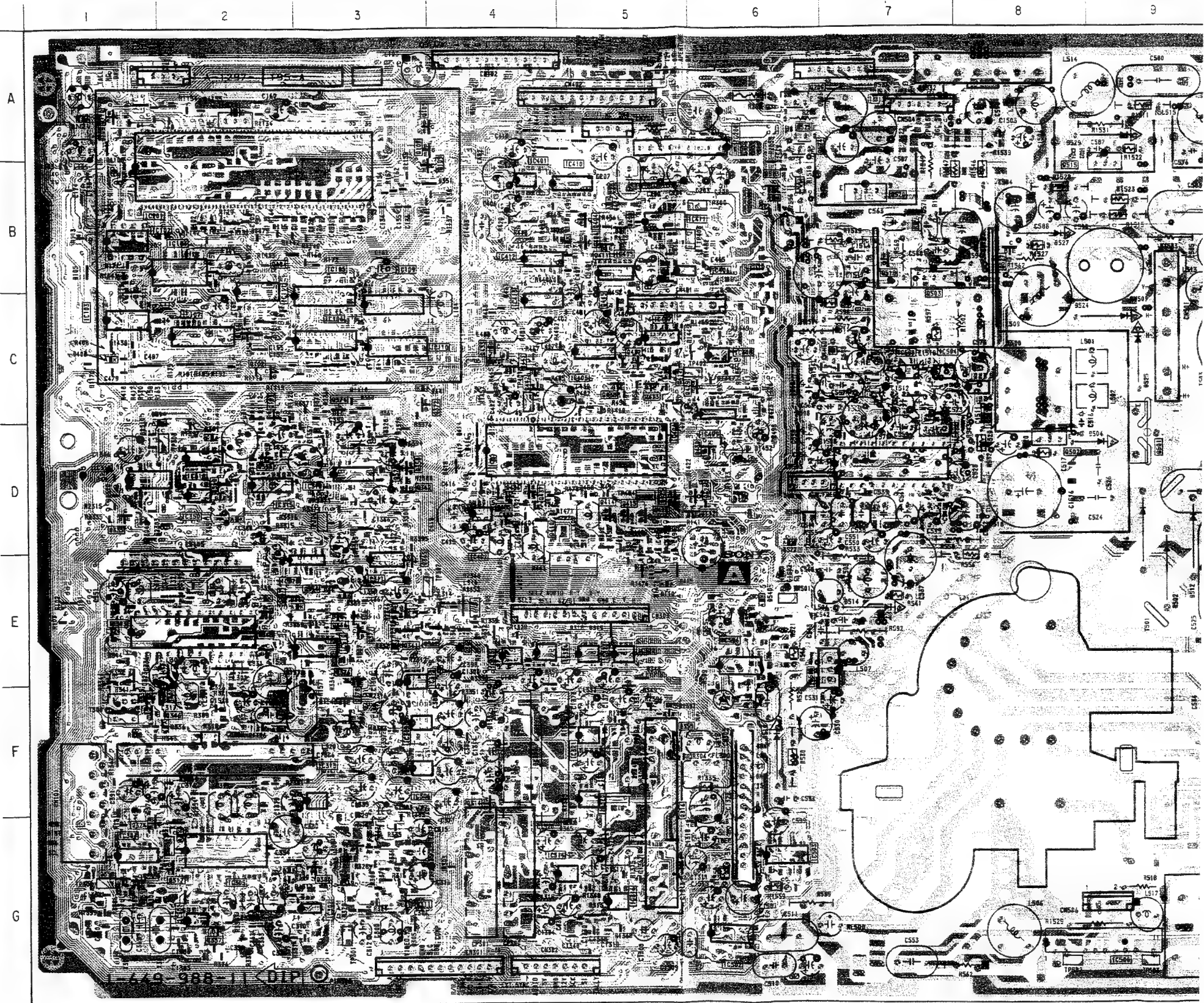
- A BOARD - (Component Side)

COMPONENT SIDE

IC		G-6		Q410		D332	
IC101	B-2	IC503	C-7	Q411	B-5	D335	F-1
IC102	B-1	IC504	E-6	Q412	C-5	D336	F-1
IC103	C-1	IC505	E-6	Q413	C-5	D338	E-3
IC104	B-1	IC507	D-7	Q414	D-5	D339	E-2
IC105	B-3	IC508	C-7	Q415	D-5	D341	C-3
IC106	C-3	IC509	C-7	Q416	D-5	D348	E-5
IC107	C-2	IC510	E-2	Q425	D-5	D349	E-5
IC109	C-3	TRANSISTOR		Q426	D-5	D350	E-4
IC110	C-3			Q429	C-5	D351	B-3
IC111	B-2	Q102	C-2	Q430	D-5	D352	E-4
IC200	A-5	Q103	C-2	Q432	C-5	D360	C-3
IC301	G-2	Q104	B-2	Q433	C-4	D361	C-3
IC302	G-2	Q105	A-3	Q435	D-4	D362	E-2
IC303	E-1	Q107	A-3	Q436	D-4	D365	G-4
IC304	G-1	Q108	C-2	Q437	D-4	D380	D-2
IC305	G-2	Q109	B-3	Q438	C-5	D381	D-2
IC306	F-3	Q110	A-1	Q440	C-4	D406	C-1
IC309	F-3	Q112	D-5	Q441	C-4	D413	E-5
IC310	D-3	Q200	A-6	Q442	C-4	D414	D-4
IC311	E-3	Q300	G-2	Q445	C-5	D415	E-5
IC312	E-3	Q308	G-3	Q501	D-9	D416	D-4
IC313	F-2	Q311	G-3	Q502	D-8	D417	D-4
IC314	G-4	Q314	F-4	Q503	B-7	D418	D-3
IC315	D-2	Q316	F-5	Q512	A-10	D423	C-6
IC316	G-5	Q324	G-1	Q513	A-9	D424	B-5
IC317	D-1	Q325	D-1	Q515	B-8	D502	E-9
IC318	D-2	Q341	E-3	Q518	B-7	D504	D-8
IC320	F-5	Q342	E-3	Q520	B-7	D505	E-10
IC321	F-5	Q343	E-4	Q523	B-6	D506	D-9
IC322	E-5	Q346	F-1	Q524	A-6	D510	F-6
IC323	E-5	Q347	E-2	Q525	A-6	D512	D-9
IC324	E-4	Q348	E-2	Q527	B-8	D514	E-7
IC325	E-4	Q353	D-3	DIODE		D515	F-10
IC326	E-2	Q354	E-3			D520	E-6
IC350	D-2	Q355	F-5	D104	B-1	D522	D-6
IC401	B-4	Q356	D-2	D105	B-1	D524	C-8
IC402	D-4	Q357	G-2	D109	A-1	D525	C-9
IC403	B-5	Q358	G-1	D110	E-5	D527	B-8
IC404	D-4	Q359	G-1	D112	A-1	D528	A-10
IC405	C-5	Q360	D-2	D113	B-4	D529	A-8
IC406	B-5	Q362	D-3	D114	F-2	D530	A-10
IC407	C-5	Q365	E-3	D300	G-2	D533	G-10
IC408	C-6	Q366	E-3	D301	D-2	D535	B-6
IC409	C-6	Q372	C-3	D305	G-3	D537	A-7
IC410	B-4	Q373	D-3	D313	G-5	D538	D-6
IC411	B-5	Q374	C-3	D314	C-1	D539	B-7
IC412	B-4	Q404	B-5	D318	E-4	D540	E-6
IC413	C-4	Q406	B-5	D319	E-5	D541	F-3
IC502	G-6	Q408	B-5	D327	D-3		



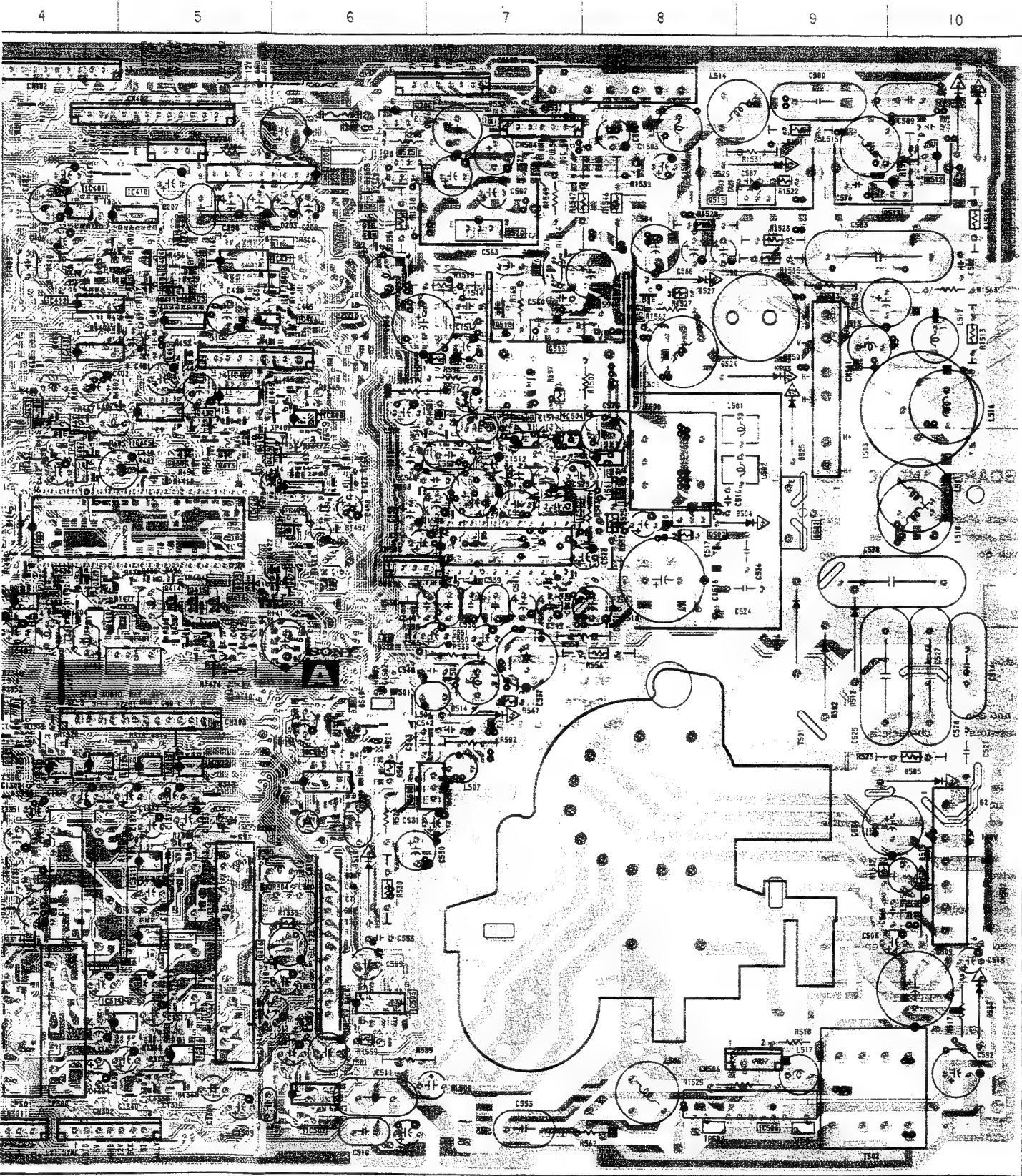
NOTE:  
The circuit indicated as left contains high voltage of over 600 Vp-p. Care must be paid to prevent an electric shock in inspection or repairing.





SYSTEM,

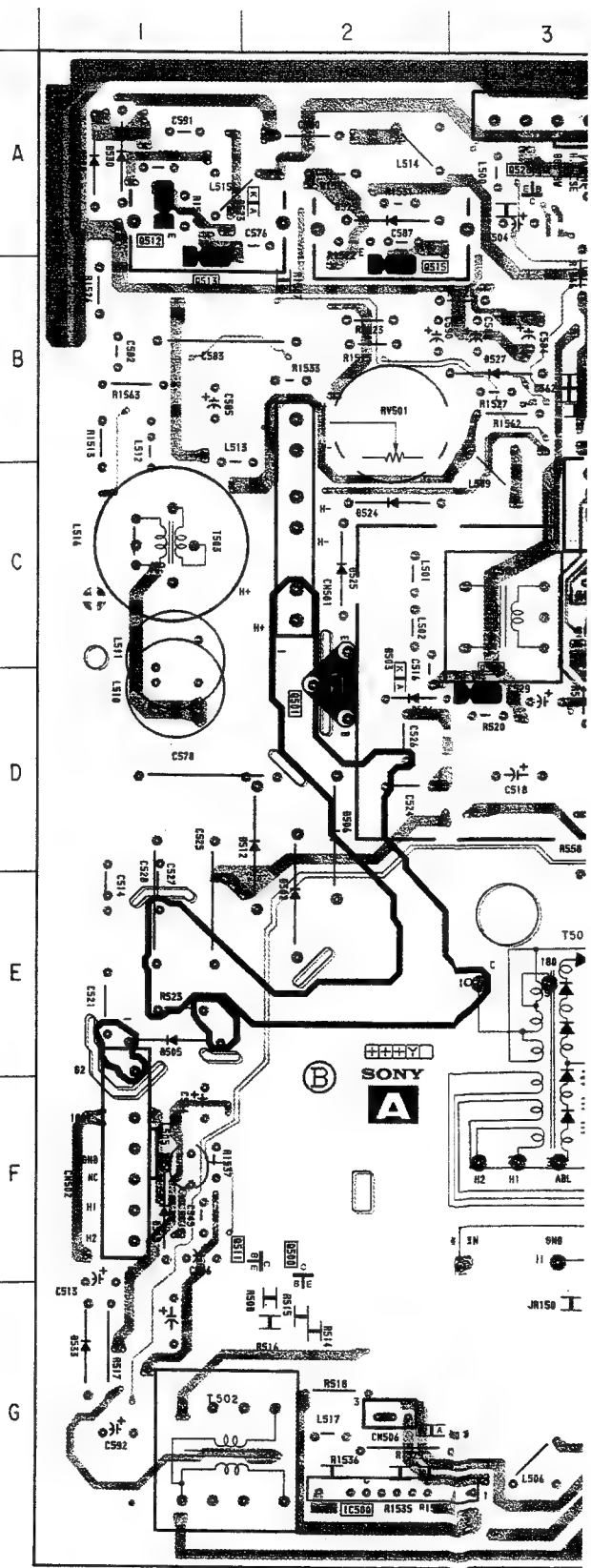
Note :  
• : Pattern from the side which enables seeing.  
• : Pattern of the rear side.



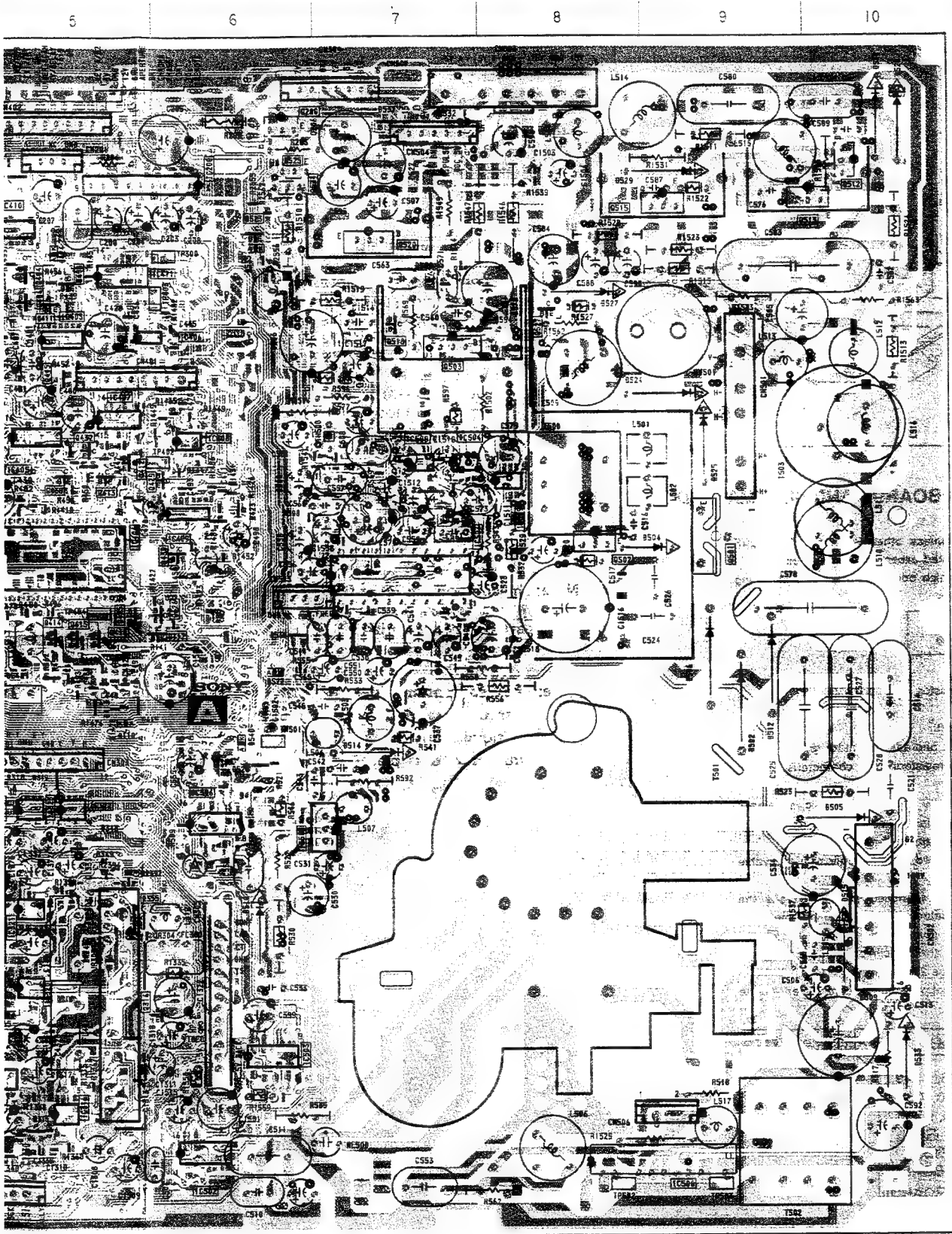
CONDUCTOR SIDE

IC		Q345	D-8	Q517	C-4	D408	B-5
IC101	A-9	Q349	E-9	Q519	C-4	D410	C-5
IC102	B-10	Q350	D-8	Q520	B-4	D411	B-6
IC108	B-8	Q351	D-8	Q522	E-5	D421	C-5
IC200	A-5	Q352	D-8	Q524	A-5	D422	C-5
IC303	E-9	Q361	F-8	Q525	A-4	D425	C-5
IC404	D-6	Q363	G-9	Q526	A-3	D426	C-6
IC505	E-4	Q364	D-8	DIODE		D427	B-6
IC507	D-4	Q367	E-8			D500	G-5
TRANSISTOR		Q368	E-8	D101	B-10	D501	G-2
		Q369	E-8	D102	B-9	D502	E-2
Q101	A-9	Q375	D-8	D103	B-9	D503	C-2
Q111	C-10	Q401	B-6	D107	B-9	D504	D-2
Q113	A-7	Q402	B-6	D200	A-4	D505	E-1
Q201	A-6	Q403	B-6	D301	G-8	D506	D-2
Q301	G-8	Q405	C-6	D302	F-9	D507	G-5
Q302	G-10	Q407	C-7	D303	F-7	D508	G-5
Q303	G-6	Q409	D-7	D304	G-7	D509	G-5
Q304	G-6	Q417	C-6	D307	G-8	D510	F-5
Q305	G-8	Q418	B-5	D309	G-8	D512	D-2
Q306	G-7	Q419	C-6	D310	G-8	D513	E-5
Q307	G-8	Q420	C-6	D311	G-9	D514	E-4
Q309	G-8	Q421	B-5	D315	E-8	D515	F-1
Q310	G-7	Q422	B-5	D317	D-9	D516	F-5
Q312	G-8	Q423	C-5	D320	D-9	D517	D-4
Q313	G-8	Q424	C-5	D322	D-9	D518	E-5
Q315	G-8	Q428	D-6	D323	C-9	D519	C-4
Q318	G-8	Q431	B-5	D324	E-9	D522	A-4
Q319	F-7	Q434	C-5	D325	D-8	D523	A-2
Q321	G-8	Q439	C-6	D326	E-9	D524	C-2
Q323	G-10	Q443	C-5	D333	D-8	D525	C-2
Q325	F-8	Q444	B-5	D337	E-8	D526	B-4
Q326	F-6	Q500	F-2	D344	D-8	D527	B-3
Q327	F-6	Q501	D-2	D345	E-7	D528	A-1
Q328	G-9	Q502	D-3	D346	E-7	D529	A-2
Q329	G-9	Q503	B-3	D347	E-7	D530	A-1
Q330	F-9	Q505	E-5	D353	D-8	D531	A-4
Q331	F-9	Q506	B-4	D354	B-7	D532	A-4
Q332	G-10	Q507	E-5	D355	C-7	D533	G-1
Q333	D-9	Q508	C-4	D363	E-8	D534	B-4
Q334	F-9	Q511	F-2	D364	E-8	D536	A-5
Q336	E-10	Q512	A-1	D401	B-7	VARIABLE RESISTOR	
Q337	E-10	Q513	A-1	D404	D-6		
Q338	C-9	Q514	B-4	D405	B-5	RV501	B-2
Q339	D-8	Q515	B-2	D407	D-7		

- A BOARD - (Conductor Side)



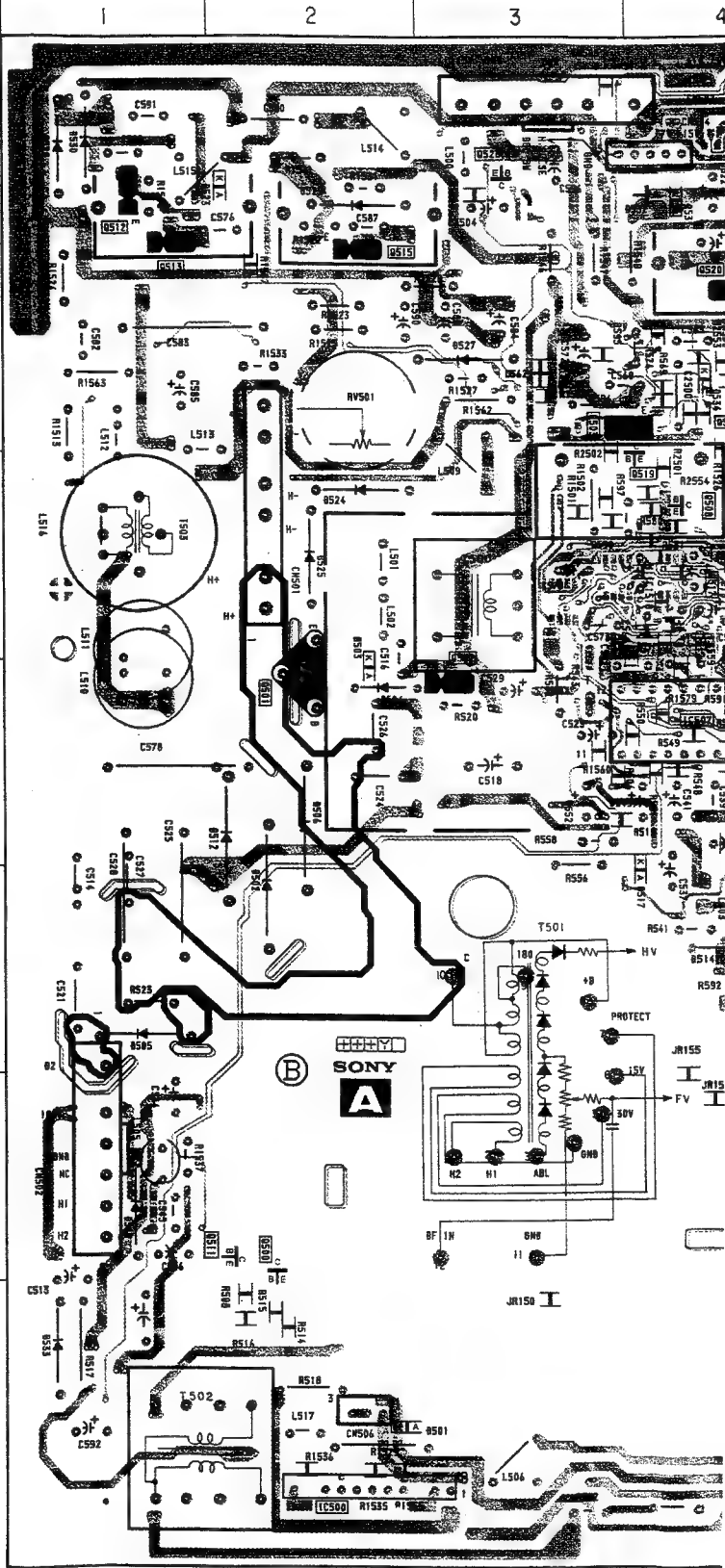
Note :  
• : Pattern from the side which enables seeing.  
• : Pattern of the rear side.



CONDUCTOR SIDE


IC		Q345	D - 8	O517	C - 4	D408	B - 5
IC101	A - 9	Q349	E - 9	O519	C - 4	D410	C - 5
IC102	B - 10	Q350	D - 8	O520	B - 4	D411	B - 6
IC108	B - 8	Q351	D - 8	O522	E - 5	D421	C - 5
IC200	A - 5	Q352	D - 8	O524	A - 5	D422	C - 5
IC303	E - 9	Q361	F - 8	O525	A - 4	D425	C - 5
IC404	D - 6	Q363	G - 9	O526	A - 3	D426	C - 6
IC505	E - 4	Q364	D - 8	DIODE		D427	B - 6
IC507	D - 4	Q367	E - 8			D500	G - 5
TRANSISTOR		Q368	E - 8	D101	B - 10	D501	G - 2
		Q369	E - 8	D102	B - 9	D502	E - 2
Q101	A - 9	Q375	D - 8	D103	B - 9	D503	C - 2
Q111	C - 10	Q401	B - 6	D107	B - 9	D504	D - 2
Q113	A - 7	Q402	B - 6	D200	A - 4	D505	E - 1
Q201	A - 6	Q403	B - 6	D301	G - 8	D506	D - 2
Q301	G - 8	Q405	C - 6	D302	F - 9	D507	G - 5
Q302	G - 10	Q407	C - 7	D303	F - 7	D508	G - 5
Q303	G - 6	Q409	D - 7	D304	G - 7	D509	G - 5
Q304	G - 6	Q417	C - 6	D307	G - 8	D510	F - 5
Q305	G - 8	Q418	B - 5	D309	G - 8	D512	D - 2
Q306	G - 7	Q419	C - 6	D310	G - 8	D513	E - 5
Q307	G - 8	Q420	C - 6	D311	G - 9	D514	E - 4
Q309	G - 8	Q421	B - 5	D315	E - 8	D515	F - 1
Q310	G - 7	Q422	B - 5	D317	D - 9	D516	F - 5
Q312	G - 8	Q423	C - 5	D320	D - 9	D517	D - 4
Q313	G - 8	Q424	C - 5	D322	D - 9	D518	E - 5
Q315	G - 8	Q428	D - 6	D323	C - 9	D519	C - 4
Q318	G - 8	Q431	B - 5	D324	E - 9	D522	A - 4
Q319	F - 7	Q434	C - 5	D325	D - 8	D523	A - 2
Q321	G - 8	Q439	C - 6	D326	E - 9	D524	C - 2
Q323	G - 10	Q443	C - 5	D333	D - 8	D525	C - 2
Q325	F - 8	Q444	B - 5	D337	E - 8	D526	B - 4
Q326	F - 6	Q500	F - 2	D344	D - 8	D527	B - 3
Q327	F - 6	Q501	D - 2	D345	E - 7	D528	A - 1
Q328	G - 9	Q502	D - 3	D346	E - 7	D529	A - 2
Q329	G - 9	Q503	B - 3	D347	E - 7	D530	A - 1
Q330	F - 9	Q505	E - 5	D353	D - 8	D531	A - 4
Q331	F - 9	Q506	B - 4	D354	B - 7	D532	A - 4
Q332	G - 10	Q507	E - 5	D355	C - 7	D533	G - 1
Q333	D - 9	Q508	C - 4	D363	E - 8	D534	B - 4
Q334	F - 9	Q509	G - 5	D364	E - 8	D536	A - 5
Q336	E - 10	Q511	F - 2	D401	B - 7	VARIABLE RESISTOR	
Q337	E - 10	Q512	A - 1	D404	D - 6		
Q338	C - 9	Q513	A - 1	D405	B - 5	RV501	B - 2
Q339	D - 8	Q514	B - 4	D407	D - 7		
		Q515	B - 2				

- A BOARD - (Conductor Side)



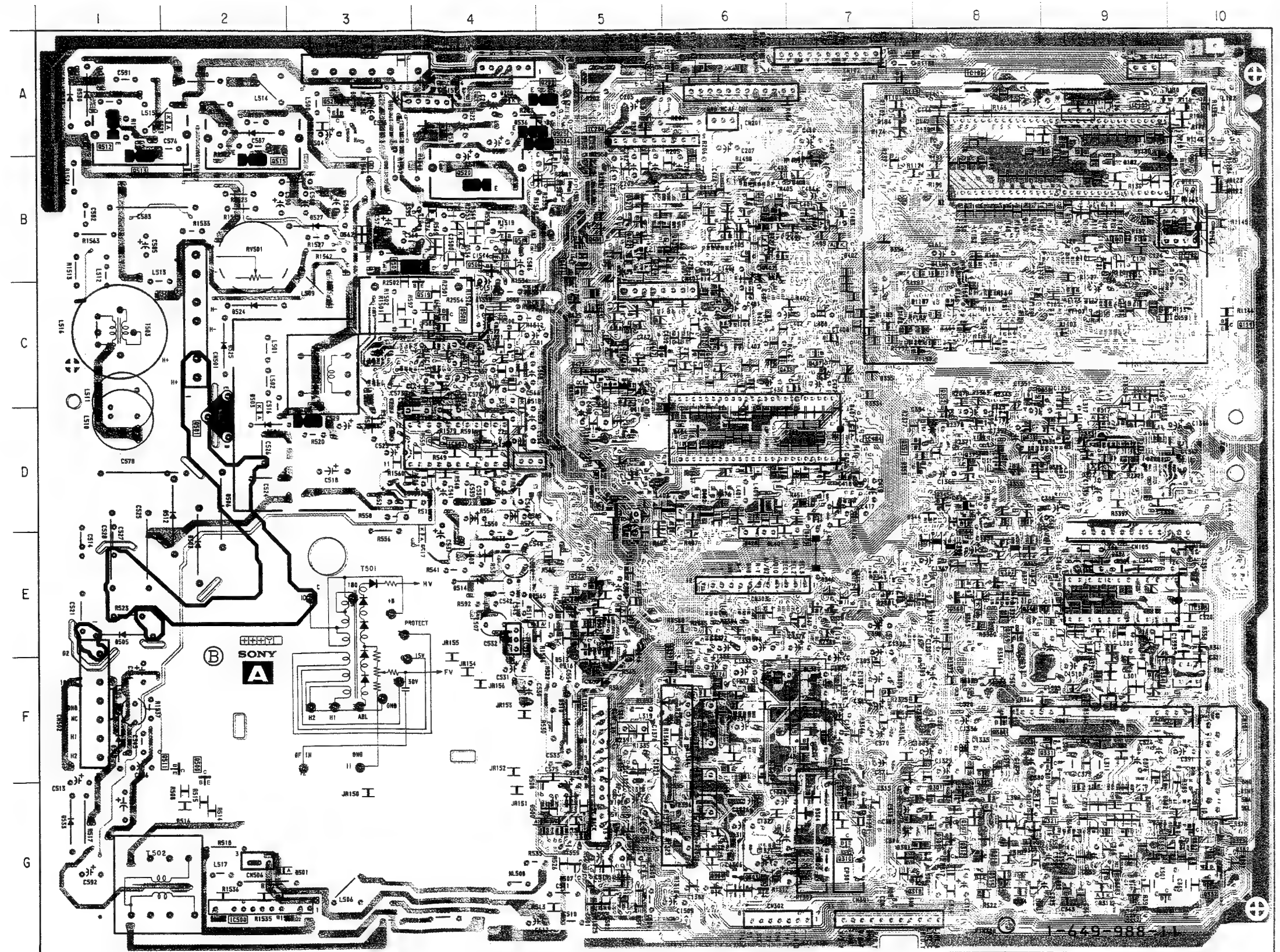


**Note :**

-  : Pattern from the side which enables seeing.
-  : Pattern of the rear side.

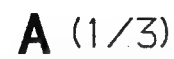
— A BOARD —      〈Conductor Side〉

IC		Q345	D-8	Q517	C-4	D408	B-5
	A-9	Q349	E-9	Q519	C-4	D410	C-5
2	B-10	Q350	D-8	Q520	B-4	D411	B-6
3	B-8	Q351	D-8	Q522	E-5	D421	C-5
4	A-5	Q352	D-8	Q524	A-5	D422	C-5
5	E-9	Q361	F-8	Q525	A-4	D425	C-5
6	D-6	Q363	G-9	Q526	A-3	D426	C-6
7	E-4	Q364	D-8			D427	B-6
	D-4	Q367	E-8	DIODE		D500	G-5
		Q368	E-8	D101	B-10	D501	G-2
		Q369	E-8	D102	B-9	D502	E-2
		Q375	D-8	D103	B-9	D503	C-2
		Q401	B-6	D107	B-9	D504	D-2
	A-9	Q402	B-6	D200	A-4	D505	E-1
3	C-10	Q403	B-6	D301	G-8	D506	D-2
	A-7	Q405	C-6	D302	F-9	D507	G-5
	A-6	Q407	C-7	D303	F-7	D508	G-5
2	G-8	Q409	D-7	D304	G-7	D509	G-5
3	G-10	Q417	C-6	D307	G-8	D510	F-5
4	G-6	Q418	B-5	D309	G-8	D512	D-2
5	G-8	Q419	C-6	D310	G-8	D513	E-5
6	G-7	Q420	C-6	D311	G-9	D514	E-4
7	G-8	Q421	B-5	D315	E-8	D515	F-1
8	G-8	Q422	B-5	D317	D-9	D516	F-5
9	G-8	Q423	C-5	D320	D-9	D517	D-4
0	G-7	Q424	C-5	D322	D-9	D518	E-5
1	G-8	Q428	D-6	D323	C-9	D519	C-4
2	G-8	Q431	B-5	D324	E-9	D522	A-4
3	G-8	Q434	C-5	D325	D-8	D523	A-2
4	G-8	Q439	C-6	D326	E-9	D524	C-2
5	F-7	Q443	C-5	D333	D-8	D525	C-2
6	G-8	Q444	B-5	D337	E-8	D526	B-4
7	G-10	Q500	F-2	D344	D-8	D527	B-3
8	F-8	Q501	D-2	D345	E-7	D528	A-1
9	F-6	Q502	D-3	D346	E-7	D529	A-2
0	F-6	Q503	B-3	D347	E-7	D530	A-1
1	G-9	Q505	E-5	D353	D-8	D531	A-4
2	G-9	Q506	B-4	D354	B-7	D532	A-4
3	F-9	Q507	E-5	D355	C-7	D533	G-1
4	F-9	Q508	C-4	D363	E-8	D534	B-4
5	G-10	Q509	G-5	D364	E-8	D536	A-5
6	D-9	Q511	F-2	D401	B-7		
7	F-9	Q512	A-1	D404	D-6	VARIABLE RESISTOR	
8	E-10	Q513	A-1	D405	B-5	RV501	B-2
9	C-9	Q514	B-4	D407	D-7		
	D-8	Q515	B-2				

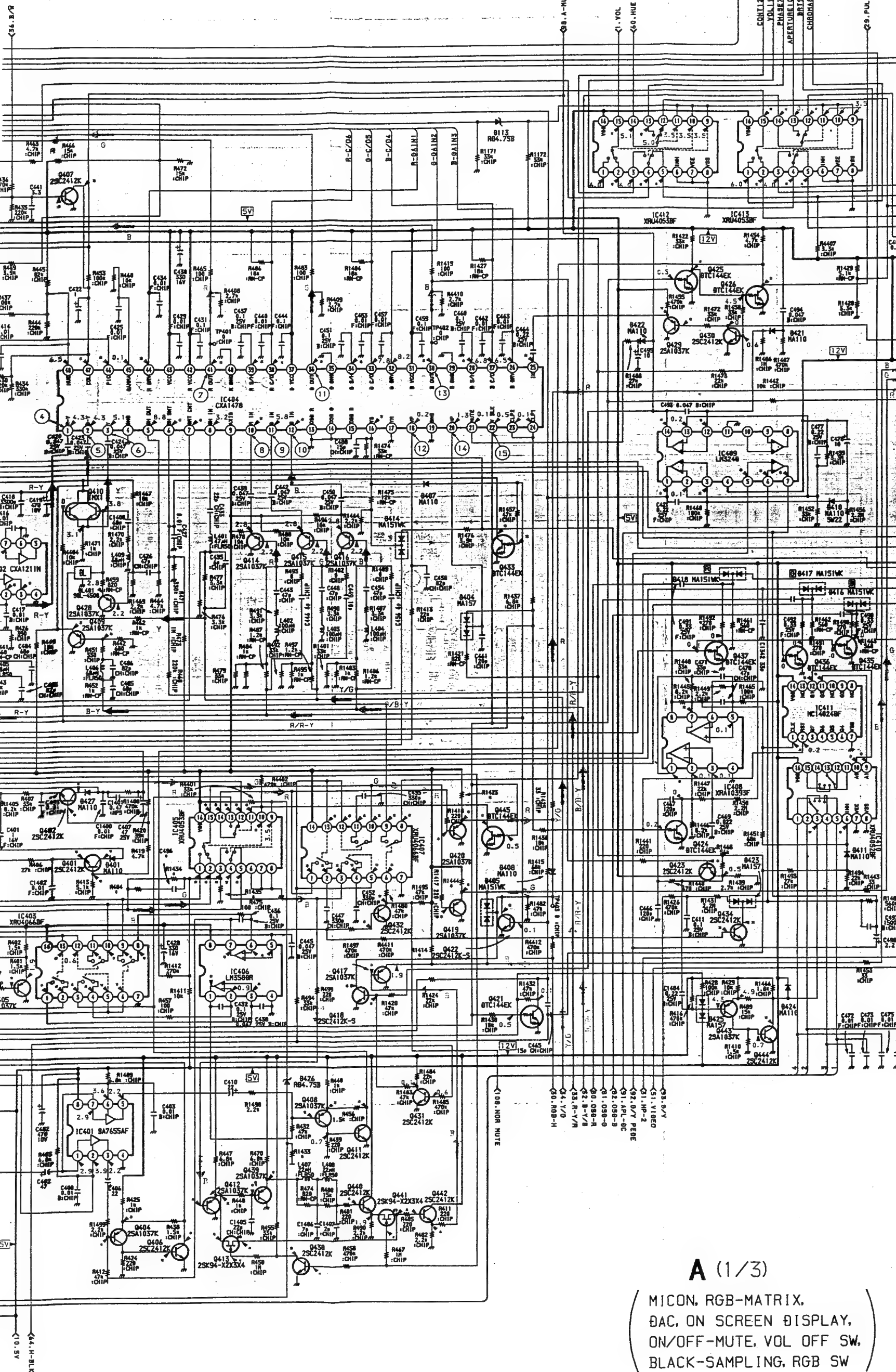








MICON, RGB-MATRIX,  
DAC, ON SCREEN DISPLAY,  
ON/OFF-MUTE, VOL OFF SW,  
BLACK-SAMPLING, RGB SW

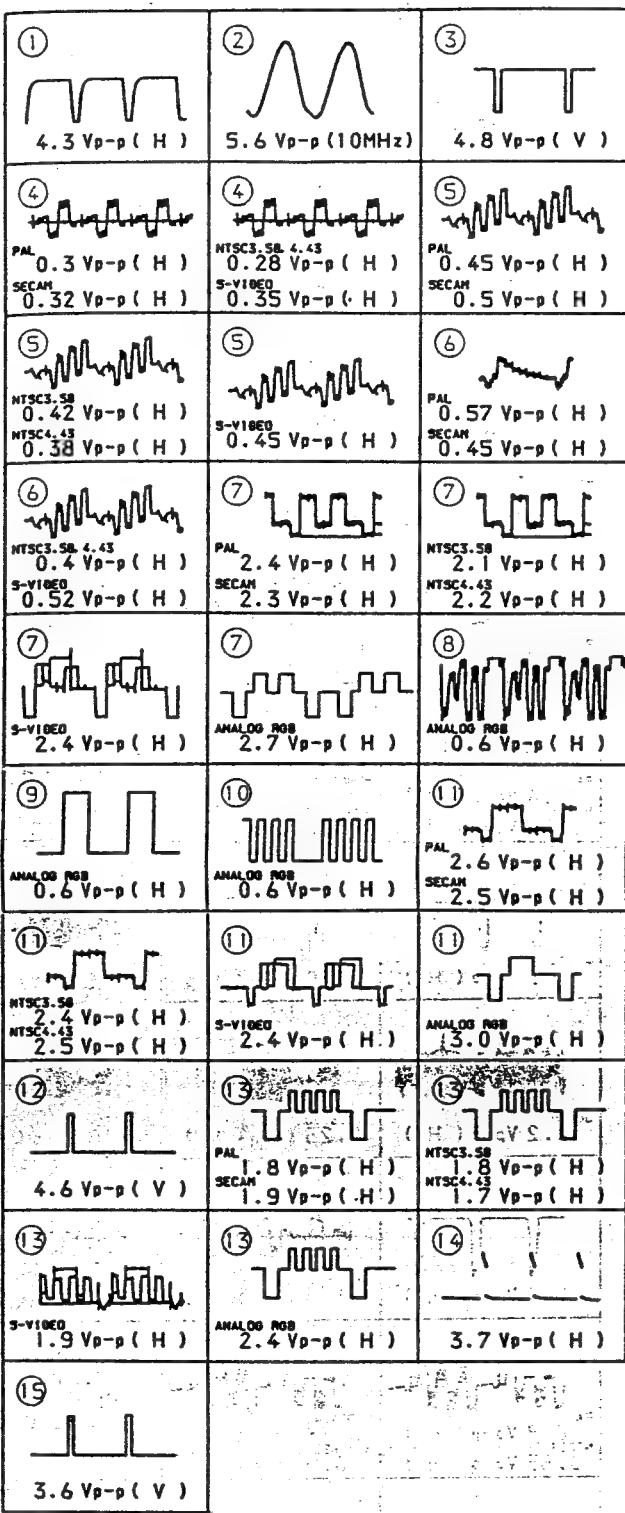


**A** (1/3)

MICON, RGB-MATRIX,  
DAC, ON SCREEN DISPLAY,  
ON/OFF-MUTE, VOL OFF SW,  
BLACK-SAMPLING, RGB SW



# A BOARD WAVEFORMS



## A BOARD

Ref	LOCATION	PVM-1350	PVM-1351Q/1354Q
C174	H-3	-	47P
C406	H-10	-	82P
CN104	A-1	-	3P
CN105	I-1	-	12P
D114	H-4	-	MA110
D428	J-11	-	RD4.75B
L105	F-3	-	100 $\mu$ H
Q102	I-3	-	2SA1037K
Q103	I-3	-	2SA1037K
Q104	E-7	-	MAX1110
Q105	B-5	-	DTA144EK
R107	H-4	-	4.7K
R122	D-3	-	0
R124	D-3	-	0
R126	G-5	-	0
R127	D-3	-	0
R130	B-3	150K	120K
R133	H-3	-	56K
R135	I-5	-	33K
R145	D-4	-	0
R147	E-4	-	0
R152	J-6	-	0
R156	E-4	-	0
R158	G-7	-	0
R168	E-7	-	33K
R169	E-6	-	270K
R171	E-7	-	100
R172	G-4	-	0
R174	B-4	-	0
R184	B-5	-	0
R186	I-5	-	0
R184	I-5	-	0
R404	H-10	-	150
R1101	D-6	-	0
R1111	H-3	-	4.7K
R1112	H-4	-	4.7K
R1114	H-3	-	1K
R1115	I-3	-	1K
R1116	I-3	-	12K
R1117	I-3	-	6.8K
R1118	I-3	-	62K
R1120	I-4	-	47K
R1126	H-4	-	470
R1127	J-6	-	0
R1130	F-3	-	1K
R1133	H-3	-	6.8K
R1137	A-2	-	10K
R1138	A-2	-	22K
R1161	A-2	-	1M
R1162	A-2	-	470K
R1167	E-3	-	100K
R1168	E-3	-	100K
R1169	E-3	-	100K
R1170	E-2	-	47K
R1173	J-6	-	0
R1414	H-12	2.2K	3.3K
R1423	G-12	2.2K	3.3K
R1433	J-11	-	33K
R1434	H-10	0	500
R1435	H-10	-	1.8K
R1444	H-12	2.2K	3.3K

NOT MOUNT

## A BOARD \* MARK

	PAL	SECAM	NTSC 3.58	NTSC 4.43	S-VIDEO	ANALOG RGB
IC101 ①	2.3	2.4	2.2	2.2	2.0	2.3
②	4.5	4.6	4.5	4.4	4.4	4.5
③	4.1	3.4	0	0.1	0	0
④	3.4	3.5	3.5	3.5	3.1	3.5
⑤	0	0	0	0	4.8	0
⑥	0	0	0	0	0	4.9
⑦	4.9	5.0	0	0	0	0
⑧	5.0	5.0	0	5.0	0	0
⑨	5.0	5.0	0	0	0	0
⑩	0.1	0	0.1	0.1	4.9	0.1
⑪	5.0	5.0	5.0	5.0	0	5.0
⑫	5.0	5.0	5.0	5.0	4.9	0.1
⑬	4.2	4.1	4.6	5.0	3.9	3.9
⑭	4.0	4.0	4.6	5.0	3.6	3.7
⑮	0.3	4.4	0.1	0.7	0.1	0.1
⑯	4.2	0.1	4.3	4.2	4.2	4.3
⑰	4.0	3.4	3.6	3.7	3.9	4.0
⑱	0.5	0.9	1.0	0.8	3.1	1.9
⑲	3.0	2.5	2.6	3.3	3.8	2.2
⑳	3.6	3.0	2.9	3.2	3.9	4.0
㉑	4.0	4.0	4.0	4.0	2.9	4.0
IC103 ①	0.2	0	0.2	0.2	0	0
IC104 ①	2.3	2.3	2.2	2.2	2.0	2.3
②	3.5	3.5	3.5	3.5	3.1	3.5
IC105 ①	2.3	2.3	2.2	2.2	0	2.3
②	0	0.1	0.1	0	11.8	0
③	2.5	2.7	2.7	2.6	2.8	2.5
④	5.4	5.4	5.4	5.4	6.6	6.1
IC106 ①	2.3	2.3	2.2	2.2	2.1	2.3
②	5.4	5.4	5.4	5.4	4.1	5.4
③	2.4	2.4	2.4	2.4	0.6	2.4
④	7.8	7.8	7.8	7.7	5.5	7.8
⑤	5.1	5.1	5.1	5.1	4.0	5.1
⑥	0.1	10.5	10.5	10.5	10.9	10.5
⑦	3.1	3.1	2.5	3.1	2.7	2.5
⑧	2.4	4.6	2.1	2.2	2.1	3.2
⑨	6.3	6.3	11.9	9.0	10.7	3.7
⑩	3.6	3.5	4.8	3.6	4.3	9.5
⑪	0.8	1.8	0.4	0.3	2.4	3.1
IC107 ①	4.6	4.5	4.5	4.5	4.4	4.5
②	2.3	2.3	2.2	0	2.1	0
③	2.8	2.8	2.8	2.8	3.3	2.9
④	1.5	1.4	1.4	1.4	2.3	1.4
⑤	2.9	2.9	2.9	2.9	2.1	2.9
⑥	2.6	2.6	2.6	2.6	2.9	2.6
⑦	2.9	2.9	2.9	2.9	2.6	2.9
⑧	2.6	2.6	2.8	2.8	2.8	2.8
⑨	3.2	3.2	5.4	5.4	5.3	5.4
⑩	4.5	4.6	5.0	5.0	3.7	5.0
⑪	6.3	6.3	6.1	6.1	6.0	6.1
IC109 ①	4.6	4.5	4.5	4.5	4.4	4.4
②	2.3	2.3	2.2	2.2	2.1	2.3
③	11.9	11.9	11.9	11.9	11.9	0.1
④	11.9	11.9	0.1	0	0.1	11.8
IC110 ①	2.3	2.4	2.2	2.2	2.0	2.2
②	7.2	7.2	7.2	7.2	8.3	7.2
③	5.8	5.8	5.8	5.8	6.2	5.8
④	11.9	11.9	11.9	11.9	7.8	11.9
⑤	0	7.9	7.9	7.9	7.8	7.9
⑥	3.7	3.7	3.5	3.5	3.5	3.6
IC111 ①	0.3	0.3	0.3	0.3	0	0.3
②	0.2	0	0.1	0.1	0.1	0.1
③	0	5.0	5.0	5.0	0	5.0
④	5.0	5.0	5.0	5.0	0	5.0
⑤	0	2.3	2.3	0	2.2	2.2
⑥	2.9	2.9	2.9	0	2.9	2.9
IC403 ①	0.8	0.8	0.8	0.8	0.8	0
②	1.2	1.2	0.8	0.8	1.2	0.9
③	1.4	1.3	0.9	0.9	1.3	0
④	0.8	0.8	0.9	0.9	0.8	1.4
⑤	0.6	0.5	0.6	0.6	0	0.6
⑥	0.5	0.6	0.6	0.6	0.6	0
⑦	1.0	1.0	1.0	1.0	0.8	1.1
⑧	1.6	1.5	1.1	1.1	1.4	1.6
⑨	1.4	1.4	1.0	1.0	1.2	1.5
⑩	0.9	1.0	1.0	1.0	0.8	1.1
⑪	0.6	0.6	0.6	0.6	0	0.6
IC404 ①	3.0	3.0	3.0	3.0	4.5	0
②	4.9	4.9	4.9	4.9	4.7	6.1
③	5.6	5.6	5.6	5.6	5.6	5.8
④	5.6	5.6	5.6	5.6	5.6	5.6
⑤	0	0.1	0	0	0	4.4
⑥	3.6	4.0	4.1	4.2	4.0	3.6
⑦	7.1	6.6	8.0	8.0	7.7	7.9
⑧	1.4	1.3	1.2	1.1	1.2	1.4
⑨	7.0	7.3	8.1	7.8	7.8	7.8
⑩	1.4	1.3	1.2	1.1	1.2	1.5
⑪	7.6	7.8	7.7	7.8	8.0	7.7
⑫	6.9	7.1	7.8	7.7	7.6	7.6
⑬	1.2	1.2	1.0	1.0	1.2	1.3
⑭	7.2	7.2	7.2	7.2	6.3	7.2
⑮	7.2	7.2	7.2	7.2	6.9	7.2
⑯	6.6	6.6	6.6	6.6	5.5	0
IC405 ①	1.6	1.5	1.1	1.3	1.4	1.5
②	1.4	1.4	0.9	0	1.2	1.5
③	1.2	1.2	0.9	0	1.1	1.2
④	1.4	1.3	1.0	0	1.2	1.4
⑤	1.3	1.3	1.0	0	1.2	1.4
⑥	0.5	0.5	0.6	0	0.3	0.6
⑦	0.5	0.5	0.6	0	0.3	0.2
⑧	1.2	1.2	0.8	1	1.2	1.3
⑨	1.4	1.3	0.9	3	1.3	1.4
⑩	1.2	1.2	0.8	2	1.2	1.3
⑪	1.4	1.3	1.0	3	1.2	1.5
IC406 ①	4.8	5.1	4.8	4.8	4.5	5.1
②	0.8	0	0.9	9	0.6	1.0
③	1.0	0.9	1.0	0	0.6	1.0
④	1.0	1.0	1.1	1.1	0.8	1.1
⑤	5.1	5.1	4.9	4.9	4.9	5.1
IC407 ①	1.2	1.2	0.9	2	1.2	1.3
②	0.4	-0.1	0.5	3	0.4	0.5
③	1.4	1.3	1.0	3	1.2	1.4
④	0.6	0	0.7	5	0.5	0.7
⑤	2.0	1.8	2.0	0	2.0	2.0
⑥	11.7	10.7	11.0	3	11.7	11.2
⑦	5.5	5.5	5.5	5	5.4	5.5
⑧	5.5	5.5	5.5	5	5.4	5.4
⑨	1.4	1.4	1.0	3	1.0	1.5
⑩	0.6	-0.1	0.7	6	0.5	0.7
⑪	2.0	1.7	2.0	0	2.0	2.0
⑫	2.0	1.7	2.0	0	2.0	2.0
IC408 ①	3.1	2.9	2.9	1	3.1	3.4
②	4.1	2.8	3.6	1	4.1	4.1
③	0	6.8	6.0	4	0	7.5
④	5.9	5.5	5.5	1	5.9	5.5
⑤	5.9	5.9	6.3	0	5.9	5.9
⑥	0.1	1.8	0.5	2	0.1	1.5
⑦	0	10.7	5.5	9	0	10.7

	PAL	SECAM	NTSC 3.58	NTSC 4.43	S-VIDEO	ANALOG RGB
IC410 ①	3.8	4.0	4.0	4.0	0	3.9
②	3.0	3.1	2.4	3.1	0	4.0
③	1.3	0.7	1.4	1.6	2.3	1.5
④	3.5	3.6	3.0	3.8	3.9	3.9
⑤	0.5	1.3	1.1	1.1	3.1	1.7
⑥	4.0	4.0	4.0	3.9	0	0
⑦	0	2.0	1.8	1.8	2.5	1.4
⑧	2.0	2.3	2.3	2.0	1.8	3.0
IC411 ①	4.1	4.0	3.9	3.8	4.2	4.1
②	1.8	2.0	1.9	1.8	2.5	1.3
③	2.0	2.3	2.2	2.1	1.8	3.0
IC412 ①	0.4	0.5	0.4	0.4	5.9	0.6
②	8.9	8.9	8.9	8.9	8.9	8.3
③	9.0	9.0	9.0	8.9	8.9	8.3
④	6.0	6.0	6.0	6.0	5.0	0
⑤	0.4	0.5	0.4	0.4	5.9	0.6
IC413 ①	7.9	8.0	8.0	8.0	0	6.9
②	0	5.5	5.5	5.5	5.4	0
③	5.5	5.5	5.5	5.5	5.4	9.5
④	3.1	3.1	3.1	3.1	0	5.1
⑤	3.1	3.1	3.1	3.1	6.0	5.1
⑥	7.9	7.9	8.0	7.9	6.3	6.9



LOCATION	PVM-1350	PVM-1351Q/1354Q
-3	-	DT26.2
J-5	-	MA151WK
J-7	-	1S2835
G-7	MA110	-
A-8	-	MA100
J-10	-	MA157
J-10	-	MA157
I-14	-	1SV230TP HR3
C-11	-	MA151WK
H-14	-	1SV230TP HR3
B-11	-	MA110
I-15	-	MA110
J-16	-	MA110
B-13	-	MA110
H-15	-	MA110
A-12	-	DT23.6A
E-12	-	MA151WK
J-9	-	MA157
J-9	-	MA157
J-9	-	MA157
K-9	-	MA157
K-9	-	MA157
K-9	-	MA157
B-12	-	RD10SB1
B-12	-	RD10SB1
B-12	-	1S2835
B-6	-	MA110
B-3	-	O
B-4	-	O
H-5	-	BA7855AF
H-14	-	CXA1214P
IC301	-	MM1148XFF
IC313	-	MM1148XFF
IC315	-	XRU4053BF
IC316	-	MM1148XFF
IC317	-	MC1458BF
JR308	0	-
L301	-	15μH
L302	-	15μH
L303	-	30μH
L304	-	15μH
L306	-	30μH
L307	-	15μH
L317	-	18mmH
L319	-	100μH
Q302	-	2SA1037K
Q308	-	2SC2412K
Q310	-	2SA1037K
Q314	-	DTA144EK
Q317	-	2SC2412K
Q323	-	DTC144EK
Q324	-	DTC144EK
Q326	-	2SK94
Q332	-	DTC144EK
Q333	-	2SC2412K
Q334	-	2SA1037K
Q335	-	2SC2412K
Q336	-	2SK94
Q337	-	2SC2412K
Q339	-	2SA1037K
Q346	-	2SC2412K
Q347	-	DTC144EK
Q348	-	2SA1037K
Q349	-	2SA1037K
Q355	-	2SC2412K
Q356	-	DTC144EK
Q357	-	2SC2412K
Q358	-	2SC2412K
Q359	-	2SA1037K
Q362	-	2SC2412K
Q366	-	2SA1037K
Q367	-	2SA1037K
Q368	-	2SA1037K
Q369	-	DTA144EK

O: TO BE MOUNT  
-: NOT MOUNT

Ref	LOCATION	PVM-1350	PVM-1351Q/1354Q
R301	D-8	-	100
R303	E-9	-	100
R305	K-13	-	0
R306	K-13	-	0
R311	K-7	-	1.8K
R319	I-5	-	8.8K
R332	J-7	-	100K
R333	J-7	-	100K
R337	J-15	-	10K
R338	J-15	-	50K
R339	J-13	-	8.2K
R340	J-14	-	47K
R341	J-15	-	8.2K
R343	J-14	-	82K
R344	J-13	-	120K
R347	J-13	-	47K
R348	I-12	-	180
R349	J-7	-	82K
R351	J-7	-	3.3K
R352	I-15	-	10K
R353	I-13	-	1K
R355	I-13	-	2.7K
R356	J-14	-	30K
R357	J-7	-	1M
R358	I-13	-	1.5K
R359	I-15	-	4.7K
R360	I-13	-	300
R361	J-1	-	100
R362	I-12	-	5.6K
R363	I-13	-	470K
R364	I-14	-	470K
R367	I-15	-	1.2K
R368	H-12	-	1K
R371	H-18	-	8.8K
R372	H-12	-	1.5K
R373	H-2	-	500
R374	G-2	-	800
R375	H-15	-	1.5K
R379	H-16	-	6.8K
R380	G-2	-	4.7K
R381	H-7	-	30K
R383	H-15	-	3.3K
R384	H-15	-	10K
R385	H-13	-	4.7K
R386	G-2	-	500
R391	H-14	-	470K
R395	G-2	-	800
R396	G-14	-	470K
R1301	G-13	-	150
R1302	G-13	-	150
R1303	G-14	-	300
R1315	B-2	-	100
R1321	D-3	-	820
R1322	D-3	-	2.2K
R1324	D-3	-	3.3K
R1325	C-3	-	1.1K

O: TO BE MOUNT  
-: NOT MOUNT

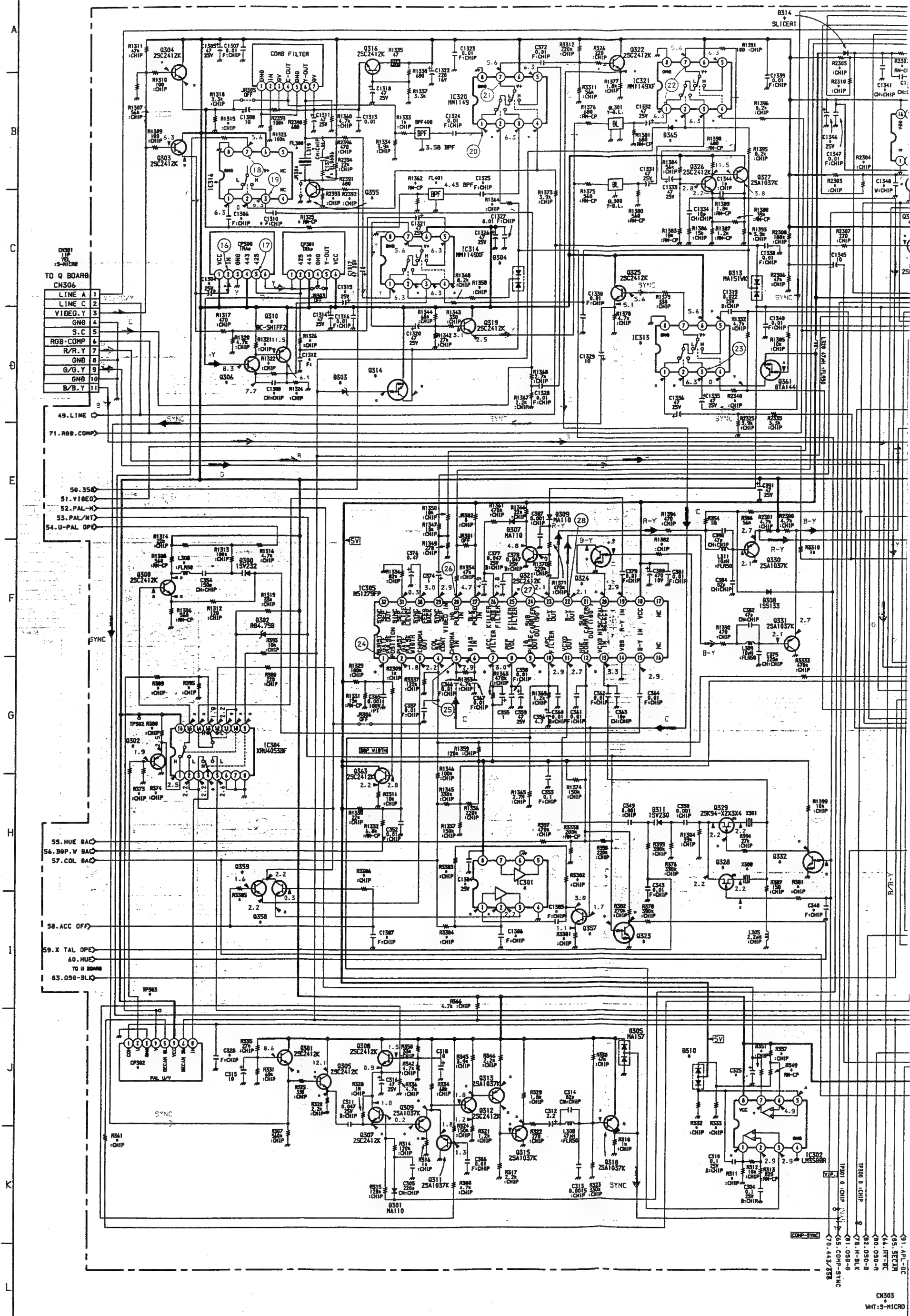
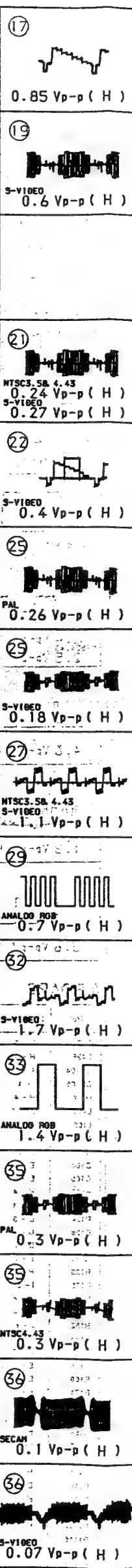
## A BOARD \* MARK

	PAL	SECAM	NTSC 359	NTSC 443	SVIDEO	ANALOG RGB
IC301 (B)	2.8	0	2.9	3.0	3.0	2.3
IC302 (B)	2.0	0	1.8	1.7	1.7	2.5
IC303 (B)	2.9	2.9	2.9	2.9	2.9	2.9
IC304 (B)	5.3	5.1	4.5	4.5	4.5	4.5
IC305 (B)	10.5	8.4	0	0	0	0
IC306 (B)	2.3	2.6	2.2	2.2	2.6	2.8
IC307 (B)	0.1	4.2	0.6	0.6	0.6	0.1
IC308 (B)	3.9	2.8	3.1	3.1	3.3	3.9
IC309 (B)	2.2	2.5	2.2	2.2	2.2	2.2
IC310 (B)	2.4	0.1	9.4	9.4	9.4	9.4
IC311 (B)	7.3	7.3	2.5	2.5	2.5	2.5
IC312 (B)	7.3	7.3	2.5	2.5	2.5	2.5
IC313 (B)	1.6	1.3	2.2	2.2	2.2	2.2
IC314 (B)	2.5	2.5	2.2	2.2	2.2	2.2
IC315 (B)	2.8	2.8	2.8	0	2.8	2.8
IC316 (B)	2.5	1.1	2.5	2.4	2.4	1.3
IC317 (B)	4.1	4.1	4.1	4.1	4.2	4.5
IC318 (B)	0.4	0.2	0	0	0	0.1
IC319 (B)	2.6	2.6	2.5	2.4	2.5	2.7
IC320 (B)	0	0	0.8	0.8	0.9	0.9
IC321 (B)	2.1	2.7	1.9	1.9	1.9	2.7
IC322 (B)	8.1	8.1	8.1	8.1	8.1	0
IC323 (B)	0	0	0	0.1	0.1	4.4
IC324 (B)	3.6	0	3.6	3.6	3.6	3.6
IC325 (B)	0	0	0	0	0	4.4
IC326 (B)	6.2	6.2	6.2	6.2	6.2	5.9
IC327 (B)	6.3	6.3	6.2	6.2	6.2	5.9
IC328 (B)	5.9	5.9	6.0	6.3	5.9	5.9
IC329 (B)	0	6.2	6.2	6.2	6.2	6.2
IC330 (B)	6.2	6.2	6.2	6.2	6.2	5.9
IC331 (B)	6.2	6.3	6.3	6.2	6.2	5.9
IC332 (B)	3.3	3.3	2.9	2.9	2.9	0
IC333 (B)	5.9	5.9	5.9	6.2	5.8	5.9
IC334 (B)	0.4	0.4	0.4	0.4	0.5	0.7
IC335 (B)	3.6	0	3.6	3.6	3.6	3.6
IC336 (B)	0	0	0	12.0	0.1	4.5
IC337 (B)	0	6.3	0	6.3	6.3	6.3
IC338 (B)	0	3.0	7.6	0	3.0	0
IC339 (B)	0	0	0	0	2.9	0.1
IC340 (B)	0.4	0.4	0.4	0.4	0.4	0.6
IC341 (B)	0.6	0	0.6	0.6	0.6	0.6
IC342 (B)	9.4	9.3	9.3	9.2	9.3	9.4
IC343 (B)	2.5	2.5	2.5	2.5	2.5	7.2
IC344 (B)	0.4	0.4	0.4	0.4	0.4	0.6
IC345 (B)	0.4	0.4	0.4	0.4	0.4	0.6
IC346 (B)	2.0	0	2.0	2.1	2.0	12.0
IC347 (B)	12.0	0	12.0	12.0	12.0	12.0
IC348 (B)	10.7	10.6	10.6	10.6	10.5	10.7
IC349 (B)	9.4	9.4	9.4	9.4	9.1	9.4
IC350 (B)	11.5	11.5	0	11.4	11.4	11.4
IC351 (B)	6.3	6.3	6.3	6.3	6.3	0
IC352 (B)	3.0	0	0	3.1	0	0
IC353 (B)	0	0	0	0	3.3	0
IC354 (B)	0	0.1	0.1	0	2.9	0
IC355 (B)	0	0	0	0	0.1	2.7
IC356 (B)	5.8	5.9	6.0	6.3	5.9	5.9
IC357 (B)	6.2	6.3	6.2	6.2	6.2	5.9
IC358 (B)	0	5.6	5.6	5.6	5.6	5.6
IC359 (B)	6.2	6.2	6.2	6.2	6.2	5.9
IC360 (B)	5.9	5.9	6.0	6.3	5.9	5.9
IC361 (B)	5.9	5.9	5.9	6.2	5.8	5.9
IC362 (B)	5.9	5.9	5.9	6.2	5.8	5.9
IC363 (B)	1.7	1.9	1.6	1.6	2.1	2.1
IC364 (B)	2.4	1.0	2.3	2.3	2.3	4.6
IC365 (B)	0	-0.1	10.8	0	-0.1	0
IC366 (B)	6.3	6.3	6.3	6.3	6.2	5.9
IC367 (B)	6.3	6.3	6.3	6.3	6.2	5.9
IC368 (B)	6.3	6.3	6.2	6.2	6.2	5.9

Ref	LOCATION	PVM-1350	PVM-1351Q/1354Q
R1326	D-3	-	10K
R1327	B-12	-	10K
R1328	C-5	-	8.2K
R1329	B-4	-	11K
R1330	B-5	-	10K
R1331	E-8	-	10K
R1332	A-9	0	-
R2302	A-8	-	8.8K
R2303	B-8	-	88K
R2304	B-8	-	220K
R2305	A-8	-	33K
R2310	A-8	-	82K
R2313	B-9	-	1K
R2314	C-9	-	500
R2318	C-10	0	8.8K
R2319	C-10	-	68K
R2321	C-10	-	2.2K
R2322	C-10	-	4.7K
R2324	C-10	-	10K
R2333	C-10	-	47K
R2340	D-7	-	10K
R2343	C-11	-	22K
R2361	C-11	-	120K
R2363	D-12	-	4.7K
R2365	B-11	-	33K
R2368	E-13	-	4.7K
R2385	H-9	-	10K
R2386	H-9	-	10K
R2387	J-9	-	10K
R2388	H-11	-	10K
R2389	B-3	-	10K
R2393	B-3	-	10K
R3305	E-10	-	3.3K
R3308	F-10	-	3.8K
R3309	C-14	-	10K
R3314	C-12	0	-
R3315	C-12	4.7K	-
R3316	G-7	4.7K	-
R3318	G-7	4.7K	-
R3319	G-7	4.7K	-
R3320	A-12	-	33K
R3321	G-7	12K	-
R3322	G-7	10K	-
R3334	E-12	-	10K
R3335	B-9	-	470K
R3339	K-12	-	68K
R3340	K-13	-	120K
R3344	I-13	-	22K
R3345	I-13	-	220
R3355	A-12	-	47K
R3356	B-13	-	1.2K
R3357	B-13	-	1.2K
R3358	B-13	-	1.2K
R3359	A-12	-	22K
R3360	B-12	-	10K
R3361	B-12	-	47K
R3362	B-13	-	1K
R3363	B-13	-	1K
R3364	C-11	-	10K
R3361	I-6	-	470
R3362	H-6	-	820
R3363	H-4	-	8.8K
R3364	I-4	-	3.3K
R3365	H-2	-	2.2K
R3366	H-3	-	2.2K
T300	I-12	-	COIL
X300	H-7	0	-

O: TO BE MOUNT  
-: NOT MOUNT

	PAL	SECAM	NTSC 359	NTSC 443	S VIDEO	ANALOG RGB
IC320 B	6.2	6.2	6.2	6.2	6.2	5.9
IC321 B	6.2	6.2	6.2	6.3	6.2	5.9
IC322 B	6.2	6.2	6.2	6.2	6.2	5.9
IC323 B	6.6	6.5	6.4	6.3	6.3	5.9
IC324 B	6.2	6.2	6.2	6.3	6.3	5.4
IC325 B	6.2	6.2	6.2	6.3	6.0	6.4
IC326 B	2.5	2.5	2.2	2.2	2.2	2.2
IC327 B	10.2	10.2	10.4	10.5	10.4	10.5
IC328 B	1.9	1.9	1.6	1.5	1.5	1.6
IC329 B	8.6	8.5	8.2	8.3	8.5	9.8
IC330 B	5.7	5.7	5.7	5.7	5.5	5.7
IC331 B	6.3	6.3	6.3	6.4	6.2	6.3
IC332 B	5.7	5.7	5.7	5.7	5.5	5.7
IC333 B	8.6	8.5	8.2	8.3	8.5	9.8
IC334 B	7.9	7.9	7.5	7.7	7.9	9.1
IC335 B	1.4	1.4	1.1	1.2	1.4	2.7
IC336 B	1.4	1.4	1.1	1.2	1.4	2.5
IC337 B	0.1	0.1	0.2	0.1	0.1	0
IC338 B	0.7	1.8	1.7	1.8	0	1.8
IC312 C	8.2	8.2	8.6	8.3	8.3	8.1
IC313 B	8.2	8.2	8.6	8.3	8.2	8.1
IC314 B	8.8	8.8	9.3	9.0	8.9	8.7
IC315 B	11.9	6.4	11.9	11.9	11.9	11.9
IC316 B	0	11.9	0	0	0	0
IC317 B	3.3	3.2	2.9	3.1	3.2	3.3
IC318 B	3.9	3.9	3.5	3.8	3.8	4.0
IC319 B	12.1	12.0	11.7	11.9	12.1	12.1
IC320 B	1.0	1.0	1.2	1.0	1.0	0.9
IC321 B	2.4	2.4	2.3	2.3	5.6	2.4
IC322 B	1.8	1.8	1.8	1.8	5.0	1.8
IC323 B	5.0	5.0	0	0	0	0
IC324 B	0	0	3.5	3.5	3.5	3.6
IC325 B	4.1	4.2	0	0	0	0
IC326 B	0	0	0.8	0.8	0.8	0.9
IC327 B	2.2	2.2	2.2	2.2	2.0	1.3
IC328 B	2.8	2.8	2.8	2.8	0	0
IC329 B	2.1	2.1	2.2	2.4	0	2.2
IC330 B	0	0	1.6	0	2.9	2.8
IC331 B	4.9	5.0	0	4.9	0	0
IC332 B	0	0	4.4	0	4.3	4.4
IC333 B	1.7	1.7	1.9	1.8	1.7	1.7
IC334 B	1.5	1.5	1.7	1.5	1.5	1.4
IC335 B	4.7	4.6	4.6	4.7	4.2	4.8
IC336 B	4.3	4.3	4.3	4.3	4.5	4.3
IC337 B	12.3	12.5	12.5	12.4	12.5	12.3
IC338 B	0.1	4.2	0.1	0.1	0.6	0.1
IC339 B	9.4	0.1	9.4	9.4	9.4	9.4
IC340 B	2.8	2.7	2.7	2.7	2.2	2.8
IC341 B	3.4	3.3	3.4	3.4	2.8	3.4
IC342 B	12.0	0.6	0	0	0	0
IC343 B	12.0	0.4	0	0	0	-0.2
IC344 B	2.2	2.2	0	2.2	2.2	2.2
IC345 B	6.2	6.2	6.2	6.3	6.1	6.4
IC346 B	6.2	6.2	6.2	6.3	6.0	6.4
IC347 B	1.3	4.7	2.2	4.1	5.3	3.8
IC348 B	4.9	4.9	5.0	5.0	5.0	0.8
IC349 B	0.1	0	0	0	0.1	4.9
IC350 B	9.0	9.0	9.0	9.5	9.2	8.5
IC351 B	3.3	3.3	2.9	2.9	2.8	2.9
IC352 B	0.4	0	0.3	0.3	0.4	0.4
IC353 B	0.8	0.9	0.8	0.8	0.9	0.9
IC354 B	0	0	0	0	0	4.9
IC355 B	11.7	11.7	11.8	11.8	11.7	0
IC356 B	10.4	10.3	10.1	10.3	10.7	6.4
IC357 B	0	0	0	0	6.2	6.7
IC358 B	6.4	6.4	6.3	6.3	6.1	6.7
IC359 B	10.7	10.8	10.7	10.7	10.7	5.9
IC360 B	0	0	0	0	6.3	6.4
IC361 B	6.2	6.2	6.2	6.2	6.0	6.4



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TO Q BOARD  
CN306

LINE A	1
LINE C	2
VIDEO Y	3
GNB	4
S.C	5
RGB COMP	6
R/R Y	7
GNB	8
G/G Y	9
GNB	10
B/B Y	11

49. LINE  
71. RGB COMP

50. 350  
51. VIDEO  
52. PAL-H  
53. PAL-VT  
54. U-PAL OPO

55. HUE 0AC  
56. BOP-V 0AC  
57. COL 0AC

58. ACC OFF

59. X TAL OPE  
60. HUE  
TO H BOARD

63. 050-BLK

TP503

CP502

PAL 15V

Q301

Q302

Q303

Q304

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Q310

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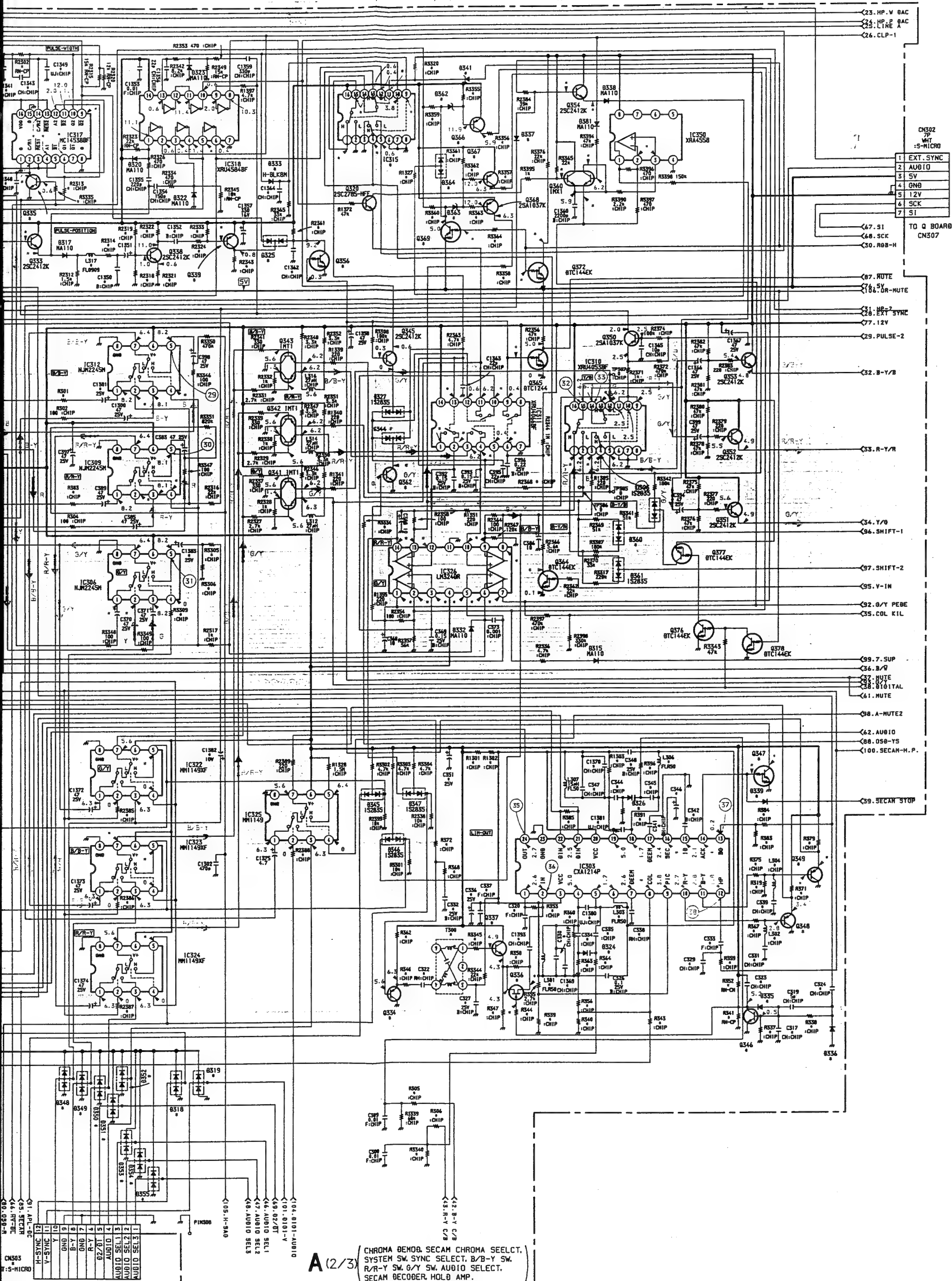
Q595

Q596

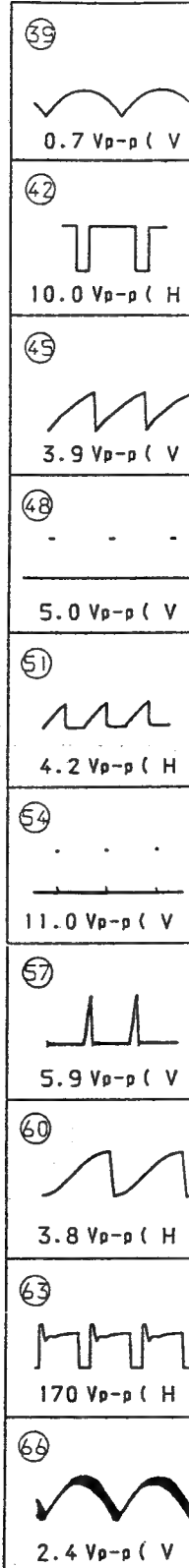
Q597

Q598





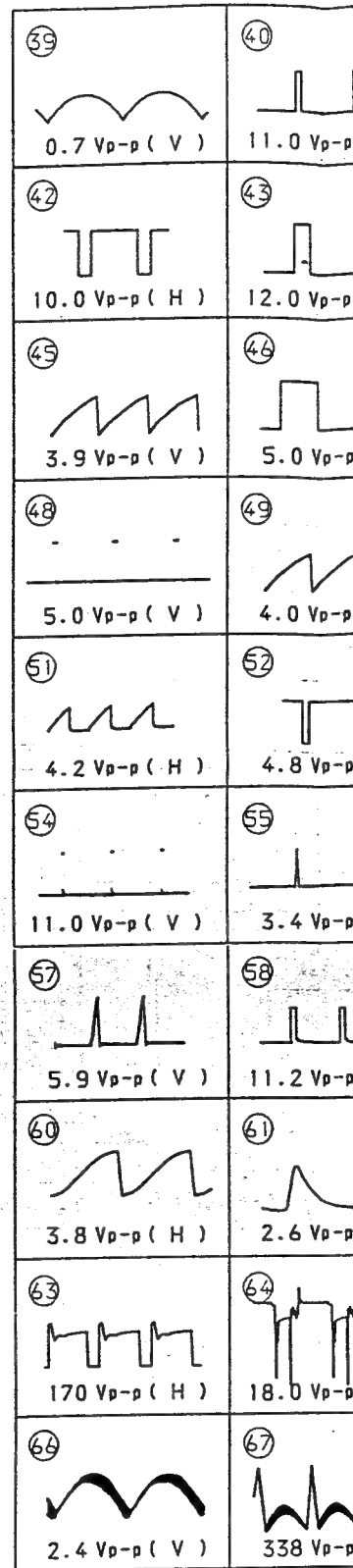




Ref	LOCATION	PVM-1350	PVM-1351Q/1354Q
CS17	I - 11	0.018	0.001/20V
C535	H - 4	220P	-
C546	H - 3	-	120P
C554	F - 3	-	0.01
C555	F - 3	-	10
C587	G - 5	-	0.047
CS71	D - 12	0.01	0.01/100V
C1500	I - 4	1000/10V	-
C1501	J - 2	470/10V	100/10V
C1505	G - 5	-	0.1
C1508	K - 2	-	10
C1518	I - 11	0.022	-
CN304	L - 9	-	8P
D509	J - 3	-	MA110
D520	E - 3	MA151WK	-
D537	J - 10	-	MA157
D541	E - 4	-	MA151WK
IC506	G - 3	-	MC145388F
IC510	G - 3	-	MC145388F
Q504	H - 4	2S2412K	-
Q509	J - 3	-	DTA144EK
Q514	B - 9	-	DTC124EK
Q518	D - 10	-	DTC144EK
RS28	I - 4	-	47K
RS27	J - 6	-	47K
RS36	H - 3	-	150K
RS37	H - 3	-	47K
RS38	H - 4	15K	-
RS57	H - 3	22K	-
RS66	F - 3	-	27K
R1534	A - 9	-	2.2K
R1548	G - 5	-	2.2K
R1552	H - 3	1K	58K
R1553	H - 3	-	58K
R1568	J - 2	-	22K
R1569	J - 2	-	10K
R1570	E - 4	-	10K
R1571	G - 5	-	180K
R1572	G - 5	-	150K
R1573	G - 5	-	10K

-: NOT MOUNT

## A BOARD WAVEFORMS



## A BOARD IC

## A BOARD

Ref	LOCATION	PVM-1350	PVM-1351Q/1354Q
CS17	I-11	0.018	0.001/20V
CS35	H-4	220P	-
CS48	H-3	-	120P
CS54	F-3	-	0.01
CS55	F-3	-	10
CS67	G-5	-	0.047
CS71	D-12	0.01	0.01/100V
C1500	I-4	1000/10V	-
C1501	J-2	470/10V	100/10V
C1505	G-5	-	0.1
C1506	K-2	-	10
C1516	I-11	0.022	-
CN304	L-9	-	6P
D508	J-3	-	MA110
DS20	E-3	-	MA151WK
DS37	J-10	-	MA157
DS41	E-4	-	MA151WK
IC508	G-3	-	MC14538BF
IC510	G-3	-	MC14538BF
Q504	H-4	25C2412K	-
Q508	J-3	-	DTA144EK
Q514	B-9	-	DTC124EK
Q518	D-10	-	DTC144EK
RS26	I-4	-	47K
RS27	J-6	-	47K
RS36	H-3	-	150K
RS37	H-3	-	47K
RS38	H-4	15K	-
RS37	G-3	22K	-
RS66	F-3	-	27K
R1534	A-9	-	2.2K
R1548	G-5	-	2.2K
R1552	H-3	1K	56K
R1553	H-3	-	56K
R1568	J-2	-	22K
R1569	J-2	-	10K
R1570	E-4	-	10K
R1571	G-5	-	180K
R1572	G-5	-	150K
R1573	G-5	-	10K

- : NOT MOUNT

TO 0/P30 ○

TI 0/INTP 0/P30 ○

TO 1/P31 ○

TI 1/P33 ○

TO 2/P32 ○

TI 2/P34 ○

SI 0/SB 0/P25 ○

SO 0/SB 1/P26 ○

SCX 0/P27 ○

SI 1/P20 ○

SO 1/P21 ○

SCX 1/P22 ○

STB 1/P23 ○

BUSY 1/P24 ○

AM 0/P10

AM 1/P17

AV 00 ○

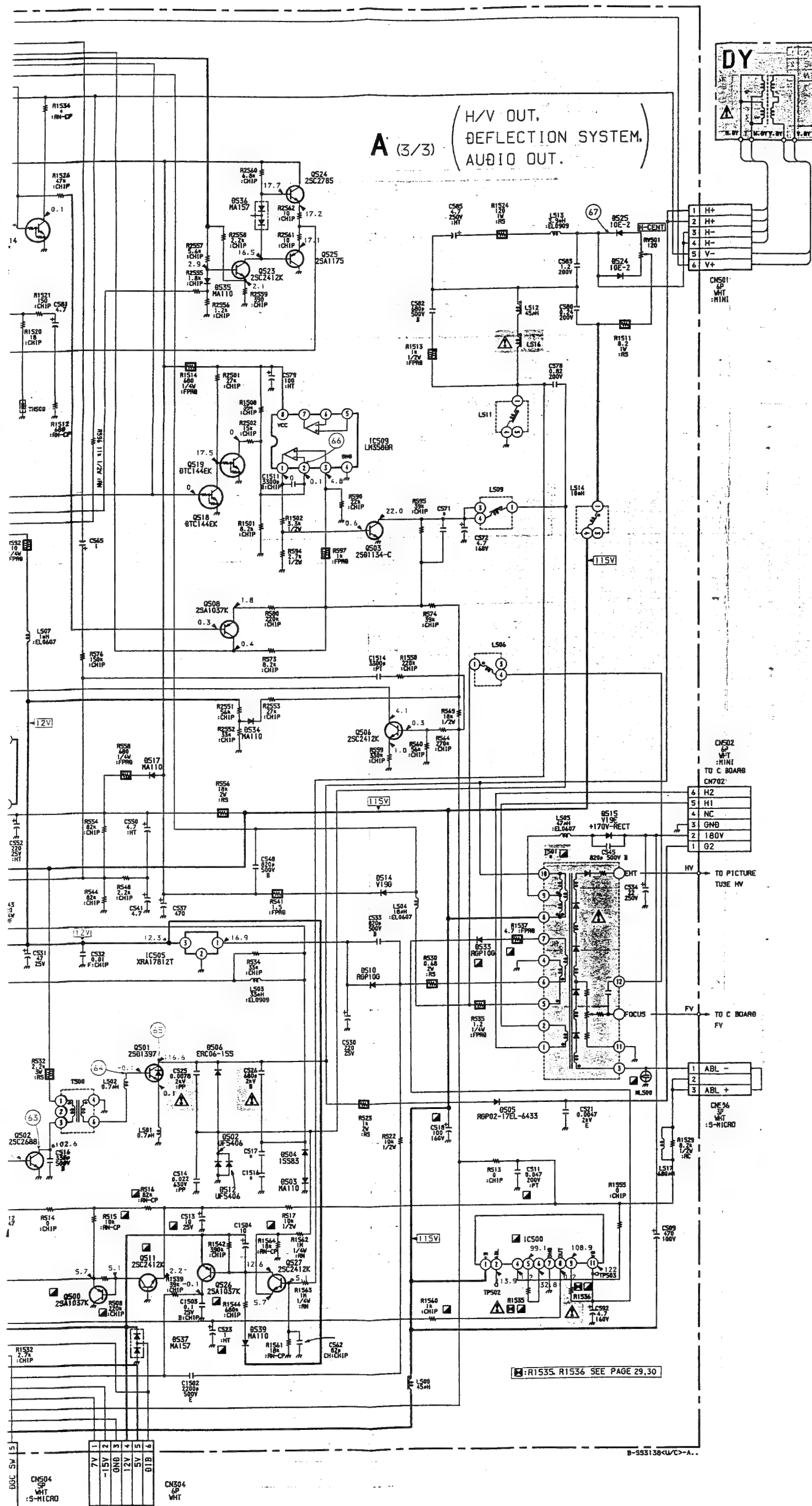
AV SS ○

AV REF ○

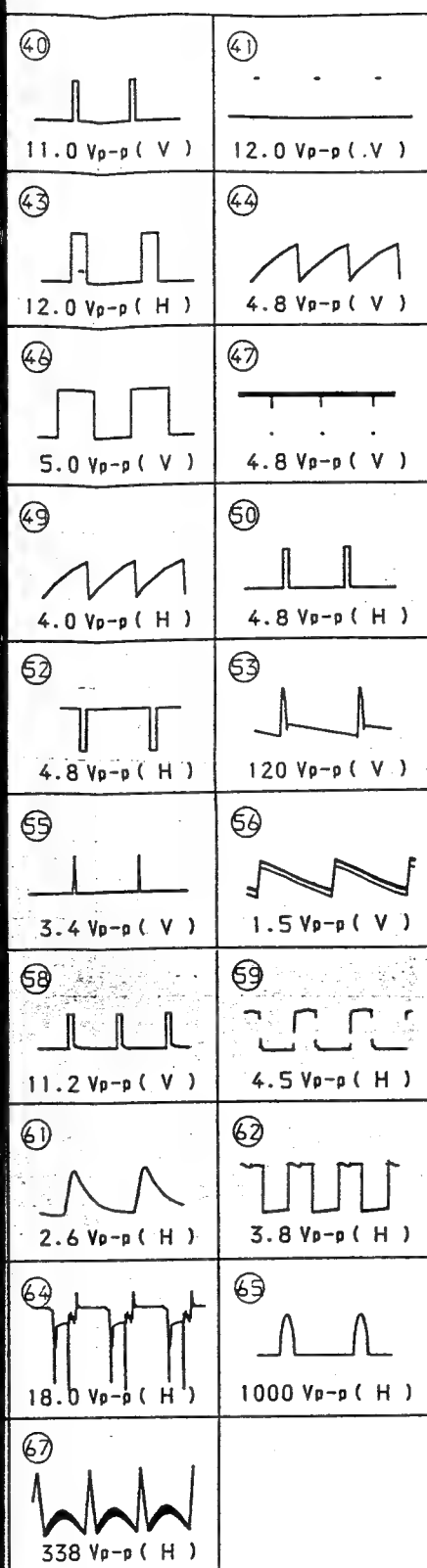
INTP 0/P30

INTP 3/P33

# A (3/3) (H/V OUT, DEFLECTION SYSTEM, AUDIO OUT.)







## A BOARD

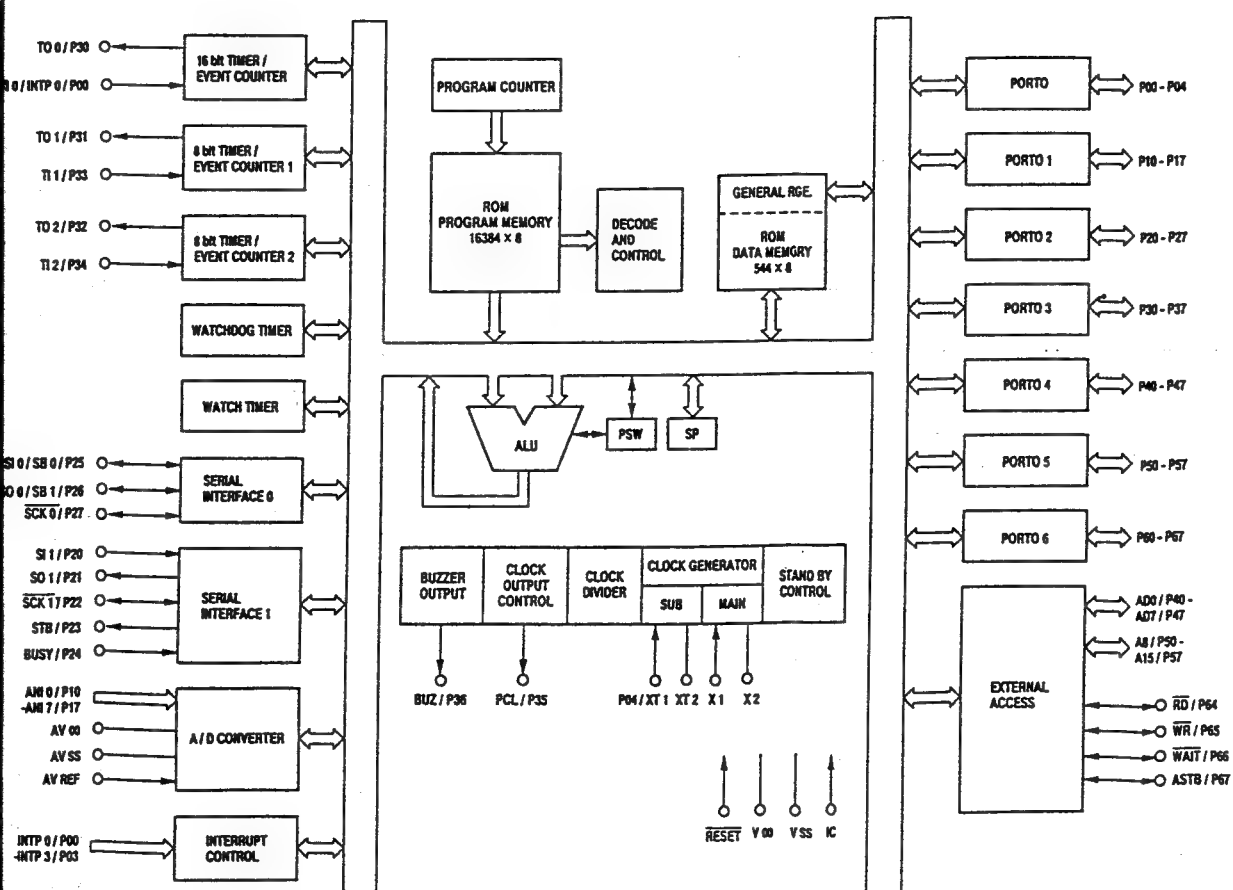
D101	PROTECT
D102	PROTECT
D103	OSP POSITION ADJ
D104	PROTECT
D105	PROTECT
D107	PROTECT
D109	MUTE
D110	MUTE SW
D111	PROTECT
D112	MUTE
D113	D. C. SHIFT
D114	SW
D115	PROTECT
D200	AUDIO D. C. REF
D300	PHASE ADJ
D301	SW
D302	D. C. SHIFT
D303	SECAM SW
D304	SW
D305	PROTECT
D306	SW
D307	B/W-SW
D309	B/W-SW
D310	CLAMP
D311	XTAL ADJ
D313	SW
D314	SLICE
D315	7.5 OPSW
D317	LEVEL-SHIFT
D318	PROTECT
D319	PROTECT
D320	SLICE
D322	SLICE
D323	SW
D324	R-Y COLOR BALANCE ADJ
D325	SW
D326	B-Y COLOR BALANCE ADJ
D327	SW
D332	RGB COMP SW
D333	SW
D335	SW
D336	SW
D337	SECAM-SW
D338	SW
D339	SW
D341	D. C. SHIFT
D344	SW
D345	OSD G CLAMP
D346	OSD B CLAMP
D347	OSD R CLAMP
D348	PROTECT
D349	PROTECT
D350	PROTECT
D351	PROTECT
D352	PROTECT
D353	PROTECT
D354	PROTECT
D355	PROTECT
D360	SW
D361	SW
D362	D. C. SHIFT
D363	D. C. SHIFT
D364	SW
D365	SECAM SW
D380	SW
D381	SW
D401	SW 15
D404	SW
D405	BLANKING
D406	SW SLICE

D407	RGB SW
D408	BLANKING
D410	SW
D411	SW
D413	SW
D414	OSD MODE SW
D415	OSD BLK INSERT
D416	OSD B MIX
D417	OSD G MIX
D418	OSD R MIX
D421	SW
D422	SW
D423	CLAMP
D424	PROTECT
D425	CLAMP
D426	D. C. SHIFET
D427	PROTECT
D500	SPEED UP
D501	HV. PROTECT
D502	PIN DAMPER 1
D503	PROTECT
D504	PROTECT
D505	G2 RECT
D506	DAMPER
D507	HD-DELAY SW
D508	HV-DELAY SW
D509	SW
D510	+15V-RECT
D512	PIN-DAMPER 2
D513	H. BLK
D514	+24V-RECT
D515	+170V-RECT
D516	H. BLK
D517	SW
D518	PROTECT
D519	V. SYNC
D520	MICOM V SW
D522	D. C. UP
D523	BIAS
D524	H. CENT
D525	H. CENT
D526	50 / 60 SW
D527	D. C. LIMITTER
D528	POMP-OP2
D529	SW
D530	POMP-OP1
D531	12V REF 1
D532	12V REF 2
D533	PROTECT RECT
D534	SW
D535	BIAS
D536	BIAS
D537	PROTECT
D538	PROTECT
D539	SW
D540	V-BLK SW 1
D541	V-BLK SW 2

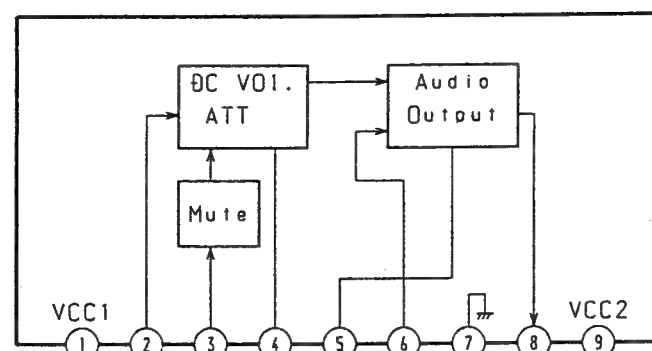
IC109	DAC 5
IC110	DAC 3
IC111	EXP-OUT-PORI
IC200	AUDIO-OUT
IC301	ACC OFF. GAIN-CONT. AMP
IC302	PAL-60H2
IC303	SECAM DECOHER
IC304	SYSTEM-SW
IC305	CHROMA-DEMOD
IC306	G/Y-SW
IC309	R/Y-SW
IC310	BLACK-INSERT
IC311	SAMPLE
IC312	B/Y-SW
IC313	SYNC SELECT
IC314	Y-SW
IC315	PULSE SELECT
IC316	SECAM CHROMA SELECT
IC317	H-PULSC-GATE
IC318	NOT-GATE
IC320	CHROMA BPF SELECT
IC321	Y-D. L. SW
IC322	G/Y SW SELECT
IC323	B/Y SW SELECT
IC324	R/Y SW SELECT
IC325	AUDIO SELECT
IC326	HOLD AMP
IC350	BUFFER AMP
IC401	BLUE-ONCK GAIN-CONT AMP
IC402	R-Y GAIN-CONT AMP
IC403	BLACK-SAMPLING
IC404	RGB-MATRIX
IC405	BLONLY-SW 1
IC406	HOLD 2
IC407	H-BLK-SW 2
IC408	EDGE DETECT
IC409	ON/OFF-MUTE
IC410	SG SECECT
IC411	COUNTER
IC412	VOL OFF SW 4
IC413	VOL OFF SW 2
IC502	V-DELAY MONO-MULTI
IC503	H-DELAY MONO-MULTI
IC504	V GAIN-CONT AMP 2
IC505	+12V REG
IC506	H-BLK MONO-MULTI
IC507	DIFRECTION
IC508	V GAIN-CONT AMP 1
IC509	PIN-COM
IC510	16:9 V-BLK MON-MULTI

Q302	BUFFER
Q303	VIDEO-IN-BUFF-1
Q304	VIDEO-IN-BUFF-2
Q305	CLAMP-BUFF-1
Q306	PAL TRAP BUFFER 1
Q307	SYNC-CHIP-CLAMP 2
Q308	CLAMP-RE 1
Q309	CLAMP-BUFF-2
Q310	PAL TRAP BUFFER 2
Q311	SLICER 2
Q312	AMP 1
Q313	AMP 2
Q314	SECAA SW
Q315	BUFF
Q316	NT-COMB.D.C. REF
Q318	SYNC-SEF
Q319	Y-SW-BUFF
Q321	B/W-SW 2
Q323	PAL SW
Q324	PAL SW
Q325	SYNC-SIG-BUFF
Q326	Y-AMP 1
Q327	Y-AMP 2
Q328	443 SW
Q329	358 SW
Q330	R-Y-BUFF 1
Q331	B-Y-BUFF 1
Q332	358 SW
Q333	SYNC-BUFF
Q334	BELL-FIL BUFFER
Q335	HV-DOUAY SW
Q336	ID SW
Q337	BELL-FIL BUFFER
Q338	V-SYNC SSP 1
Q339	V-SYNC SSP 2
Q341	G/Y BUFFER
Q342	R/Y BUFFER
Q343	B/Y BUFFER
Q344	MUTE SW
Q346	ID SW
Q347	SECAM SW
Q348	R-Y BUFFER
Q349	B-Y BUFFER
Q350	INSERT-PULSE-SW
Q351	G/Y-BUFF-2
Q352	R/Y-BUFF-2
Q353	B/Y-BUFF-2
Q354	B/W-SW2
Q355	258 TRIP SW
Q356	MUTE SW
Q357	ACC OFF AMP
Q358	ACC OFF SW
Q359	ACC ON SW
Q360	HOLD
Q361	EXT-SYNC SW
Q362	OSD SW
Q363	TEST BUFFER
Q364	V-PULSU SW
Q365	MUTE SW
Q366	BRIGHT UP SW 1
Q367	BRIGHT UP SW 2
Q368	BRIGHT UP SW 3
Q369	RGB SW
Q372	RGB SW
Q373	RGB MODE SW
Q374	RGB MODE SW
Q375	RGB MODE SW
Q376	MUTE SW
Q377	DIGITAL MODE SW 1
Q378	DIGITAL MODE SW 2

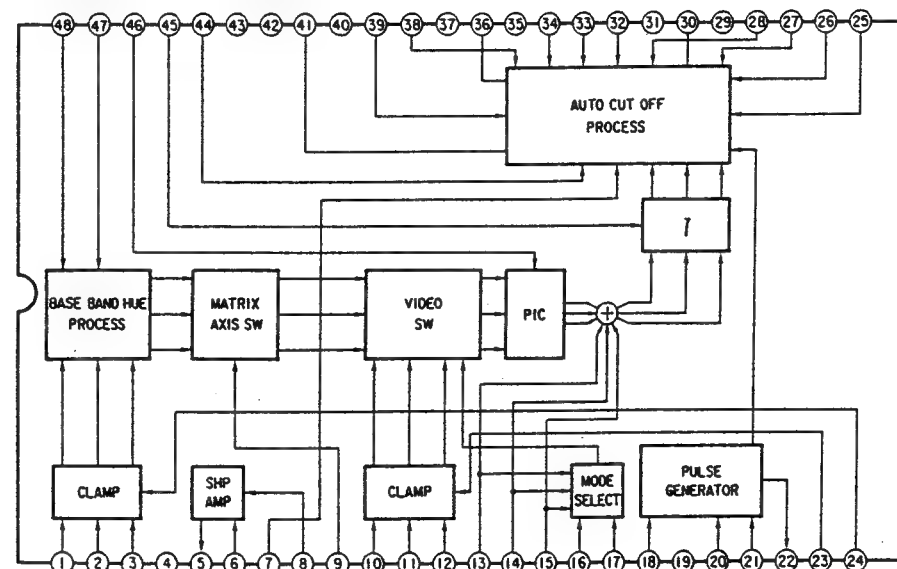
Q401	BRIGHT ABL
Q402	PIY ABL
Q403	V-BLK SW
Q404	B/O G AMP 9
Q405	B-BUFF 3
Q406	B/O G AMP 2
Q407	B/W-SW3
Q408	B/O R AMP 1
Q409	B-Y-BUFF
Q410	Y BUFFER
Q411	B/O R AMP 2
Q412	BCH BUFFER
Q413	BCH NORMAL SW
Q414	R BUFFER
Q415	G BUFFER
Q416	B BUFFER
Q417	B-BUFF
Q418	OFF-MUTE-SW
Q419	G-BUFF 3
Q420	R BUFF 3
Q421	V-BLK-SW 1
Q422	BLANKING
Q423	BLUE BUFFER
Q424	BLK
Q425	V-P BUFFER 1
Q426	V-P BUFFER 2
Q428	SMARPESS BUFFER
Q429	IK BUFFER
Q430	IK BLK
Q431	RESET MUTE SW
Q432	BRIGHT MUTE SW
Q433	RGB SW
Q434	MUTE RGB SW
Q435	OSD DOWN SW
Q436	OSD DOWN SW
Q437	OSD DOWN SW
Q438	BLUE ONLY SW
Q439	BCH B/O DLY-EQ 1
Q440	BCH B/O DLY-EQ 2
Q441	BCH B/O SW
Q442	BCH BUFFER
Q443	AUTO CMROMA SET UP AMP 1
Q444	AUTO CMROMA SET UP AMP 2
Q445	BLUE ONLY SW
Q500	CURRLIN 2
Q501	H-OUT
Q502	H-ORIVE
Q503	PIN-OUT
Q505	H. BLK 1
Q506	V. ZOOMING
Q507	H. BLK2T1
Q508	50/60 SW
Q509	DIGITAL V SW
Q511	CURRLIN 1
Q512	V-ORIVE
Q513	V. OUT 1
Q514	50/60 SW
Q515	V. OUT 2
Q517	H-V PHASE LOCK SW
Q518	U/S SW 1
Q519	U/S SW 2
Q520	12V REG
Q522	H. P. BUFFER
Q523	V-CENT CONT
Q524	V-CENT OUT 2
Q525	V-CENT OUT 1
Q526	FBI-12V FAILURE SW
Q527	C528 FAILURE SW

A BOARD IC101  $\mu$ PD78012YCW

## A BOARD IC200 AN5265



## A BOARD IC404 CXA1478



Schematic diagrams

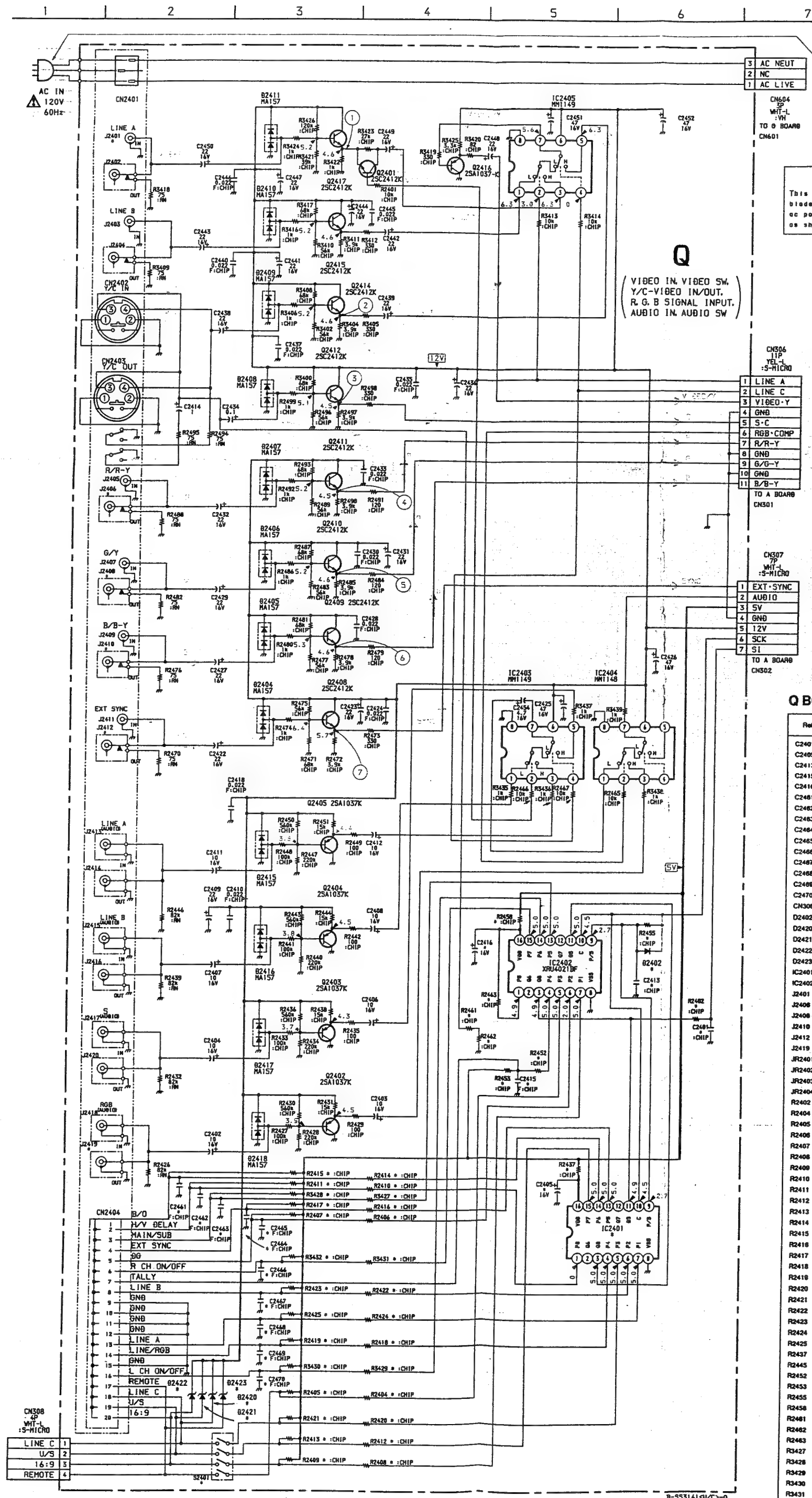
Schematic diagram

G H J boards →

← A (3/3) board

→ Q X S

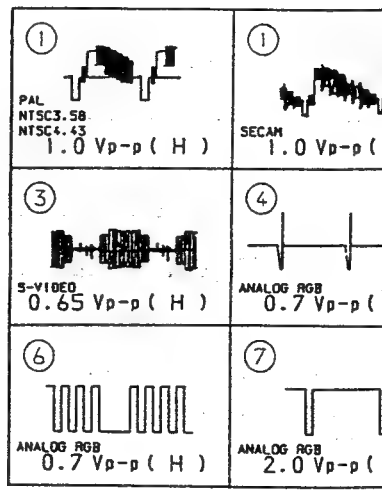




**CAUTION (US MODEL ONLY)**  
 This set is equipped with a polarized ac power cord. The blade of the plug is wider than the other. When replacing the ac power cord, be sure to connect it with specified as shown in this diagram.

**Q**  
 (VIDEO IN, VIDEO SW, Y/C-VIDEO IN/OUT, R, G, B SIGNAL INPUT, AUDIO IN, AUDIO SW)

**• Q BOARD WAVEFORMS**

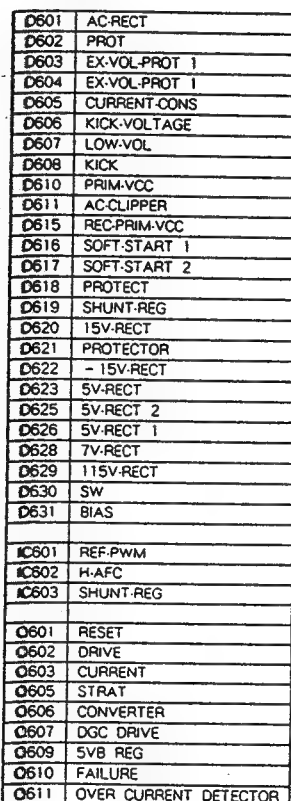


**Q BOARD**

Ref	LOCATION	PVM-1350	PVM-1351Q/1354Q
C2401	H-8	-	100P : CHIP
C2405	J-5	-	47 18V
C2413	H-8	-	100P : CHIP
C2415	I-5	-	10 25V F : CHIP
C2416	H-4	-	47 18V
C2461	J-2	-	0.1 25V F : CHIP
C2462	J-2	-	0.1 25V F : CHIP
C2463	J-2	-	0.1 25V F : CHIP
C2464	J-3	-	0.1 25V F : CHIP
C2465	J-3	-	0.1 25V F : CHIP
C2466	J-3	-	0.1 25V F : CHIP
C2467	J-3	-	0.1 25V F : CHIP
C2468	K-3	-	0.1 25V F : CHIP
C2469	K-3	-	0.1 25V F : CHIP
C2470	K-3	-	0.1 25V F : CHIP
CN308	L-1	-	4P WHT-L : S-MICOR
D2402	H-8	-	MA110
D2420	K-2	-	RD27SB
D2421	K-2	-	RD27SB
D2422	K-2	-	RD27SB
D2423	K-2	-	RD27SB
IC2401	J-5	-	XRU4021BF
IC2402	H-5	-	XRU4021BF
J2401	A-2	-	-
J2406	D-1	-	-
J2408	E-1	-	-
J2410	F-1	-	-
J2412	F-1	-	-
J2419	I-1	-	-
JF2401	D-2	0 : CHIP	-
JF2402	E-2	0 : CHIP	-
JF2403	F-2	0 : CHIP	-
JF2404	F-2	0 : CHIP	-
R2402	H-8	-	580 : CHIP
R2404	K-3	-	47K : CHIP
R2405	K-3	-	10K : CHIP
R2406	J-3	-	47K : CHIP
R2407	J-3	-	10K : CHIP
R2408	L-3	-	47K : CHIP
R2409	L-3	-	10K : CHIP
R2410	J-3	-	47K : CHIP
R2411	I-3	-	10K : CHIP
R2412	L-3	-	47K : CHIP
R2413	K-3	-	10K : CHIP
R2414	J-3	-	47K : CHIP
R2415	I-3	-	10K : CHIP
R2416	J-3	-	47K : CHIP
R2417	J-3	-	10K : CHIP
R2418	K-3	-	47K : CHIP
R2419	K-3	-	10K : CHIP
R2420	K-3	-	47K : CHIP
R2421	K-3	-	10K : CHIP
R2422	J-3	-	47K : CHIP
R2423	J-3	-	10K : CHIP
R2424	K-3	-	47K : CHIP
R2425	K-3	-	10K : CHIP
R2437	I-5	-	0 : CHIP
R2445	E-8	22K : CHIP	-
R2452	I-5	-	47K : CHIP
R2453	I-5	-	10K : CHIP
R2455	G-8	-	470K : CHIP
R2458	G-5	-	0 : CHIP
R2461	H-4	-	220K : CHIP
R2462	H-4	-	220K : CHIP
R2463	H-5	-	33K : CHIP
R3427	J-3	-	47K : CHIP
R3428	J-3	-	10K : CHIP
R3429	K-3	-	47K : CHIP
R3430	K-3	-	10K : CHIP
R3431	J-3	-	47K : CHIP
R3432	J-3	-	10K : CHIP
S2401	L-2	-	0

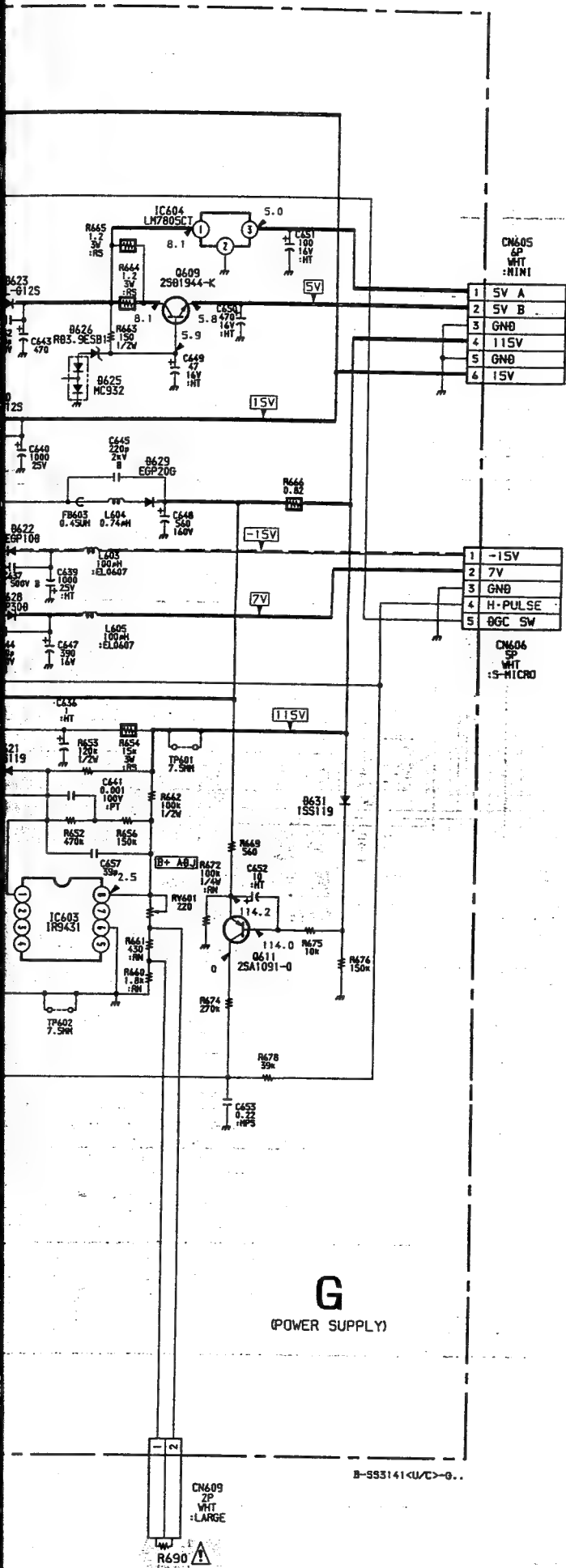
O : TO BE MOUNT  
 - : NOT MOUNT





The block diagram illustrates the internal architecture of the Video Display Processor (VDP). Key components and their interconnections include:

- Power and Ground Connections:**
  - Pin 8 (PFD) is connected to VDD (Digital) at pin 14.
  - Pin 9 (VSS) is connected to VSS (Digital) at pin 15.
  - Pin 10 (VSS) is connected to VSS (Analog).
- Signal Inputs and Outputs:**
  - Pin 11 (Clamp) and Pin 12 (Slice Level) are video input signals.
  - Pin 13 (Loop Fil) is a feedback signal from the Loop Filter.
  - Pin 16 (MSH), Pin 17 (DOH/SEN), Pin 18 (CT/SDA), and Pin 19 (LNG/SCK) are control signals from the microprocessor.
  - Pin 20 (WRSE) is a write enable signal.
- Internal VDP Blocks:**
  - Phase/Freq DET:** Receives the PFD signal and provides feedback to the Loop Filter.
  - Loop Filter:** Processes the feedback signal and outputs to the VCO.
  - VCO (Voltage-Controlled Oscillator):** Generates the DOT CLK signal for the Horizontal Counter.
  - Horizontal Counter:** Generates timing signals for the Vertical CTR And Control and Timing Logic.
  - Vertical CTR And Control:** Receives the Lock signal and outputs COMP SYNC to the SYNC Slicer.
  - SYNC Slicer:** Processes the Slice Level signal and outputs to the Data Slicer and Data CLK Recovery.
  - Data Slicer:** Receives the Clamp signal and outputs Sliced Data to the Data Recovery.
  - Data CLK Recovery:** Outputs BCLK to the Data Recovery.
  - Data Recovery:** Receives Sliced Data and BCLK, and outputs to the Data MOD and XFR BUF.
  - Data MOD and XFR BUF:** Outputs the processed video signal to the Display RAM.
  - Timing Logic:** Receives signals from the Horizontal Counter and SYNC Slicer, and outputs to the Command Processor and Decoder Control.
  - Command Processor and Decoder Control:** The central control unit that manages the Display RAM, CHAR ROW, and Output Logic based on microprocessor signals.
  - Display RAM:** Stores video data and outputs to the CHAR ROW.
  - CHAR ROW:** Outputs character row data to the Output Logic.
  - Output Logic:** Receives data from the CHAR ROW and outputs to the R, G, B, LUM, and BOX lines.

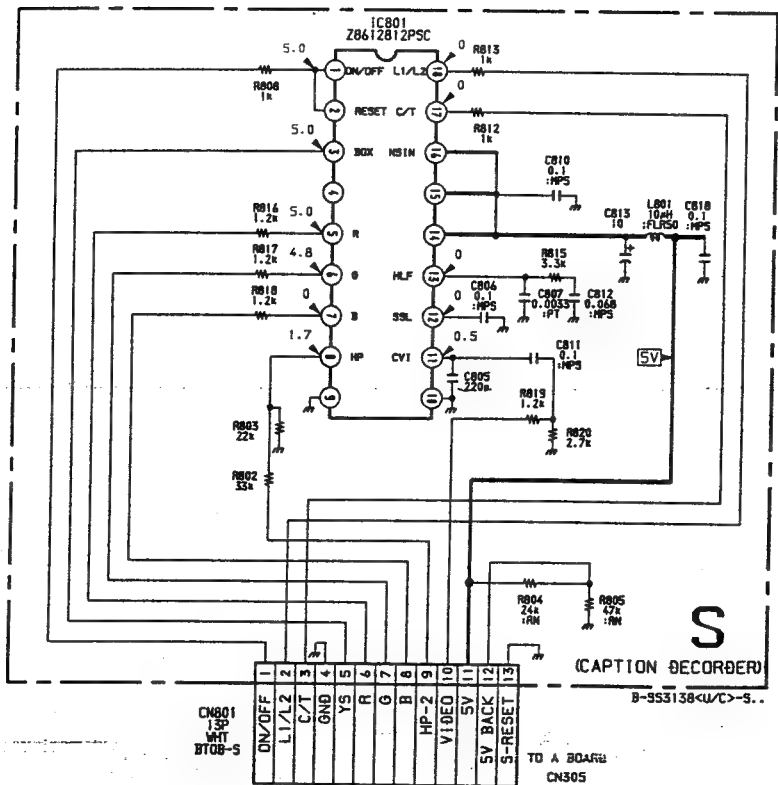


# G

(POWER SUPPLY)

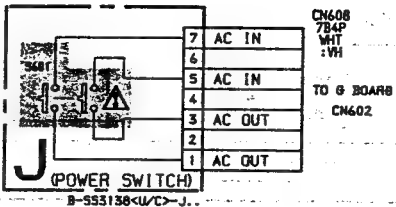
Ref	LOCATION	PVM-1350	PVM-1351Q/1354Q
D2103	A-5	-	TLY123
R2102	A-5	-	820
R2138	B-1	-	500
R2137	B-1	-	500
R2138	B-2	-	500
R2141	B-3	-	500
S2105	C-3	-	O
S2110	D-2	-	O
S2111	C-1	-	O
S2112	C-1	-	O

O: TO BE MOUNT  
-: NOT MOUNT



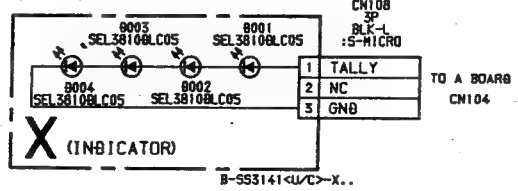
# S BOARD

IC801 CAPTION DECODER



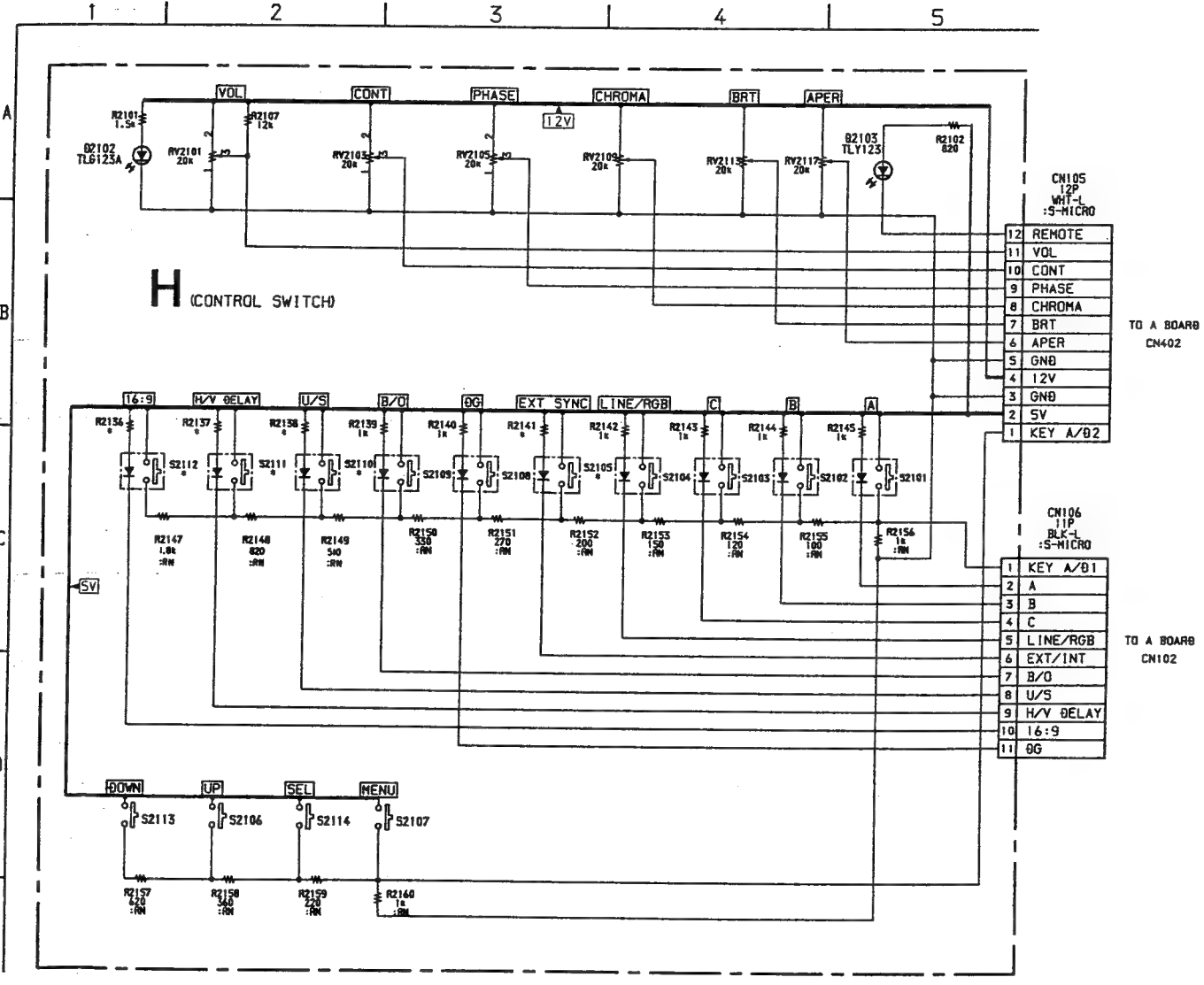
(POWER SWITCH)

(PVM-1351Q/1354Q only)



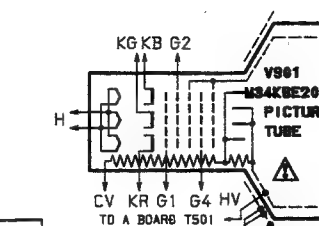
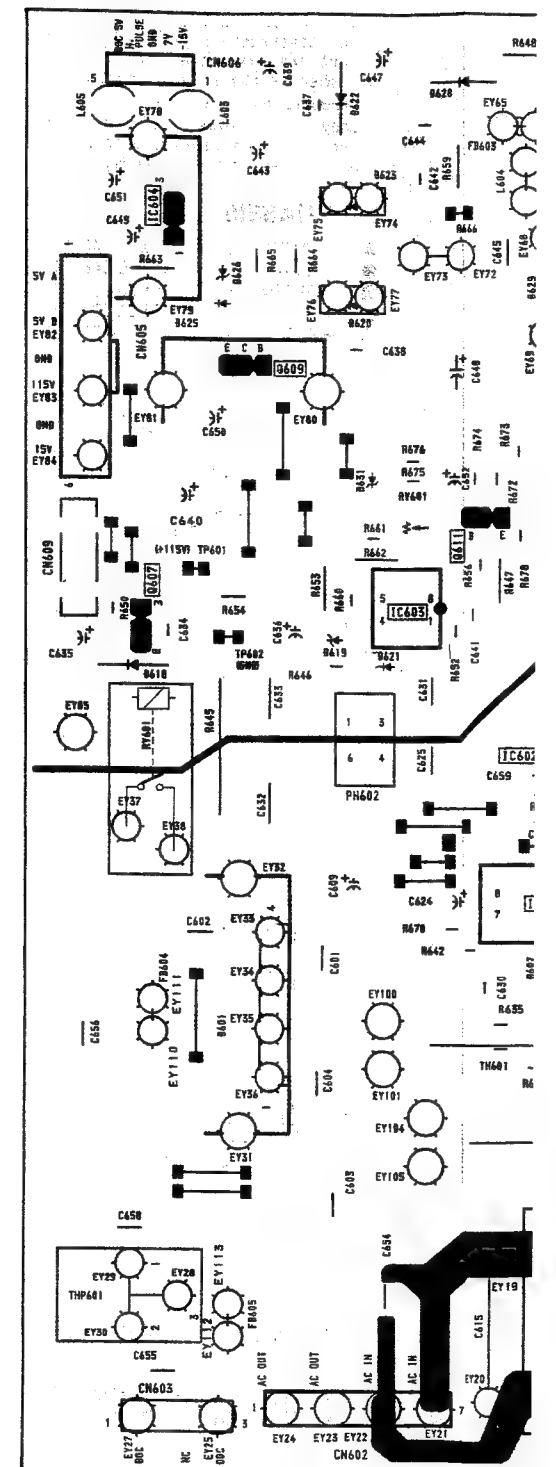
# X BOARD

D001	TALLY LED 1
D002	TALLY LED 2
D003	TALLY LED 3
D004	TALLY LED 4





## - G BOARD -



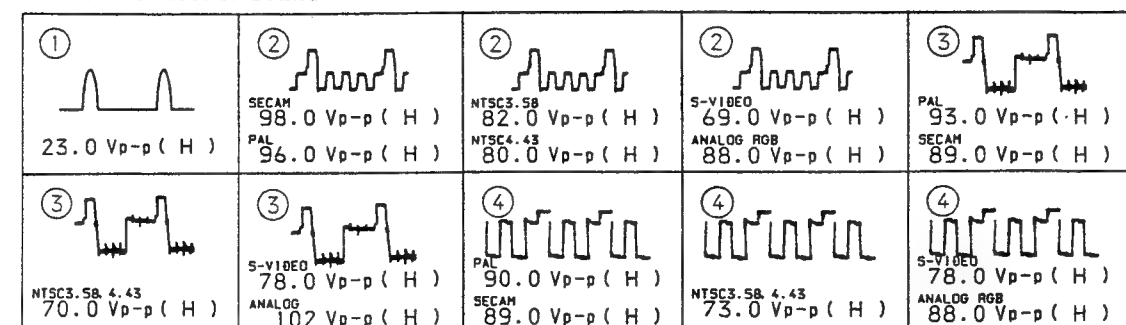
Be sure to connect the connector CN703 for safety.

## C BOARD \* MARK

	PAL	SECAM	NTSC 3.58	NTSC 4.43	S-VIDEO	ANALOG RGB
Q701 B	2.0	1.9	1.73	1.8	1.8	2.0
E 1.4	1.3	1.1	1.1	1.2	1.4	
Q702 B	2.0	1.9	1.7	1.7	1.8	2.0
E 1.5	1.3	1.1	1.1	1.2	1.4	
Q703 B	1.9	1.8	1.6	1.6	1.8	1.9
E 1.3	1.2	1.0	1.0	1.2	1.3	
Q704 B	143.6	148.0	153.9	153.4	144.9	143.8
C 129.0	134.3	135.4	134.5	31.2	111.5	
E 139.7	144.4	150.3	149.6	140.4	140.1	
Q705 B	141.7	145.8	154.9	154.2	145.0	141.8
C 124.9	130.2	132.3	130.4	60.4	106.6	
E 136.3	142.3	151.3	150.6	140.7	138.5	
Q706 B	149.7	151.5	160.4	159.8	144.9	148.6
C 134.5	138.3	141.2	141.1	103.2	114.7	
E 146.2	148.0	157.1	156.4	140.8	145.0	
Q707 C	143.8	148.0	154.0	153.4	144.9	143.7
Q708 C	141.9	145.9	155.2	154.3	145.0	141.8
Q709 C	149.8	151.5	160.6	159.9	144.9	148.5
Q710 B	172.8	173.1	174.3	173.9	167.0	173.5
E 160.9	164.0	162.9	162.2	154.0	161.2	
Q711 B	172.8	173.2	174.3	173.9	167.0	173.5
C 160.5	161.0	162.3	161.8	154.1	161.3	
Q712 B	172.9	173.2	174.0	174.2	167.0	173.5
E 161.6	163.6	164.1	164.8	154.5	161.4	
Q713 B	172.8	173.2	173.9	173.9	166.8	173.5
C 184.2	184.5	184.7	184.6	176.6	183.8	
E 173.3	173.6	174.3	174.3	167.2	173.9	
Q714 C	173.5	173.7	174.5	174.4	167.4	174.1
Q715 B	146.7	148.6	157.5	157.0	140.3	145.7
C 149.5	151.5	160.6	159.9	144.9	148.5	
E 146.1	148.0	157.2	156.5	140.7	145.0	
Q716 B	139.2	143.3	152.5	151.5	140.7	139.4
C 141.7	145.8	155.2	154.2	145.1	141.8	
E 138.2	142.3	151.4	150.5	140.6	138.4	
Q717 B	140.9	145.4	151.7	150.8	140.6	141.2
C 143.6	148.0	154.1	153.4	144.9	143.8	
E 139.8	144.4	150.5	149.6	140.4	140.0	

D701	PROTECT 1
D702	PROTECT 2
D703	PROTECT 3
D704	PROTECT 4
D705	PROTECT 5
D706	PROTECT 6
D707	PROTECT 7
D708	PROTECT 8
D709	PROTECT 9
D710	PROTECT 10
D711	PROTECT 11
D712	PROTECT 12
D713	PROTECT 13
Q701	B DRIVE
Q702	G DRIVE
Q703	R DRIVE
Q704	B BUFF
Q705	G BUFF
Q706	R BUFF
Q707	B OUT
Q708	G OUT
Q709	R OUT
Q710	IK SW 1
Q711	IK SW 2
Q712	IK SW 3
Q713	V. BLK OUT
Q714	V. BLK INT
Q715	TRACE SW 1
Q716	TRACE SW 2
Q717	TRACE SW 3

## • C BOARD WAVEFORMS



-1350/1351Q/1354Q

PVM-1350/1351Q/1354Q

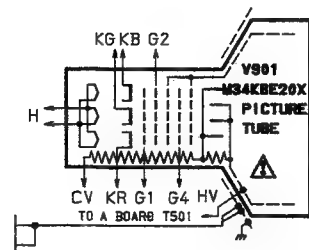
PVM-1350/1351Q

9 10

**G** [POWER SUPPLY] **Q** [VIDEO IN, VIDEO SW, Y/C-VIDEO IN/OUT, R. G. B SIGNAL INPUT, AUDIO IN, AUDIO SW] **H** [CONTROL SWITCH] **X** [INDICATOR] **J** [POWER SWITCH] **C** [R. G. B OUT] **S**

- G BOARD -

- Q BOARD -

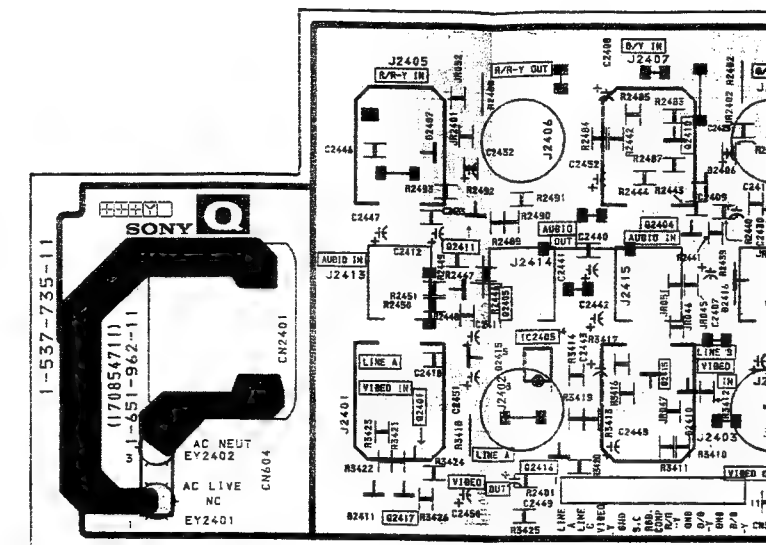
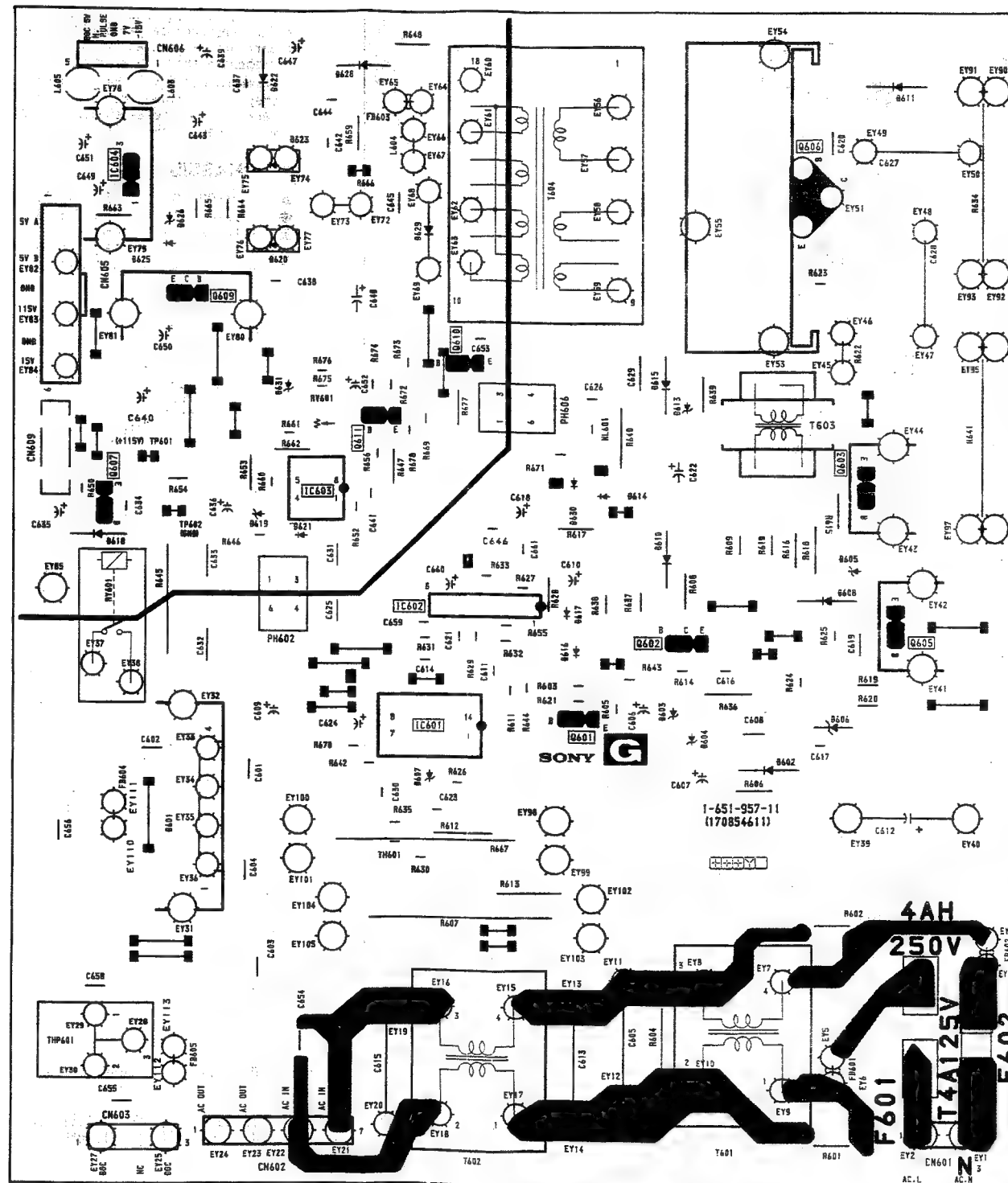


sure to connect the connector 703 for safety.

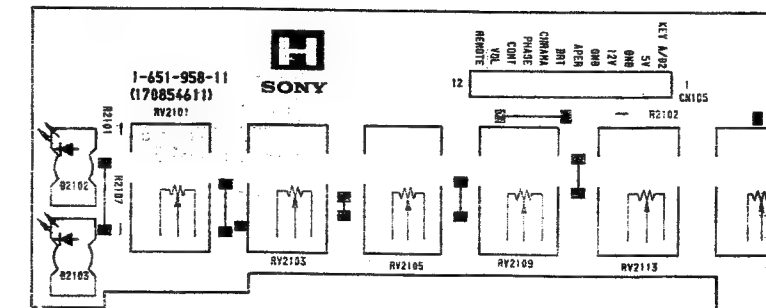
# BOARD \* MARK

	PAL	SECAM	NTSC 3.58	NTSC 4.43	S-VIDEO	ANALOG RGB
701 B	2.0	1.9	1.73	1.8	1.8	2.0
E	1.4	1.3	1.1	1.1	1.2	1.4
702 B	2.0	1.9	1.7	1.7	1.8	2.0
E	1.5	1.3	1.1	1.1	1.2	1.4
703 B	1.9	1.8	1.6	1.6	1.8	1.9
E	1.3	1.2	1.0	1.0	1.2	1.3
704 B	143.6	148.0	153.9	153.4	144.9	143.8
C	129.0	134.3	135.4	134.5	31.2	111.5
E	139.7	144.4	150.3	149.6	140.4	140.1
705 B	141.7	145.8	154.9	154.2	145.0	141.8
C	124.9	130.2	132.3	130.4	60.4	106.6
E	138.3	142.3	151.3	150.6	140.7	138.5
706 B	149.7	151.5	150.4	159.8	144.9	148.6
C	134.5	138.3	141.2	141.1	103.2	114.7
E	146.2	149.0	157.1	156.4	140.8	145.0
707 C	143.8	148.0	154.0	153.4	144.9	143.7
708 C	141.9	145.9	155.2	154.3	145.0	141.8
709 C	149.8	151.5	160.6	159.9	144.9	148.5
710 B	172.8	173.1	174.3	173.9	167.0	173.5
E	160.9	164.0	162.9	162.2	154.0	161.2
711 B	172.8	173.2	174.3	173.9	167.0	173.5
C	160.6	161.0	162.3	161.8	154.1	161.3
712 B	172.9	173.2	174.0	174.2	167.0	173.5
E	161.6	163.6	164.1	164.8	154.5	161.4
713 B	172.8	173.2	173.9	173.9	166.8	173.5
C	184.2	184.5	184.7	184.6	176.6	183.8
E	173.3	173.6	174.3	174.3	167.2	173.9
714 C	173.6	173.7	174.5	174.4	167.4	174.1
715 B	146.7	148.6	157.6	157.0	140.3	145.7
C	149.5	151.5	160.6	159.9	144.9	148.5
E	146.1	148.0	157.2	156.5	140.7	145.0
716 B	139.2	143.3	152.5	151.5	140.7	139.4
C	141.7	145.8	155.2	154.2	145.1	141.8
E	138.2	142.3	151.4	150.5	140.6	138.4
717 B	140.9	145.4	151.7	150.8	140.6	141.2
C	143.6	148.0	154.1	153.4	144.9	143.8
E	139.8	144.4	150.5	149.6	140.4	140.0

D701	PROTECT 1
D702	PROTECT 2
D703	PROTECT 3
D704	PROTECT 4
D705	PROTECT 5
D706	PROTECT 6
D707	PROTECT 7
D708	PROTECT 8
D709	PROTECT 9
D710	PROTECT 10
D711	PROTECT 11
D712	PROTECT 12
D713	PROTECT 13
Q701	B DRIVE
Q702	G DRIVE
Q703	R DRIVE
Q704	B BUFF
Q705	G BUFF
Q706	R BUFF
Q707	B OUT
Q708	G OUT
Q709	R OUT
Q710	IK SW 1
Q711	IK SW 2
Q712	IK SW 3
Q713	V. BLK OUT
Q714	V. BLK INT
Q715	TRACE SW 1
Q716	TRACE SW 2
Q717	TRACE SW 3

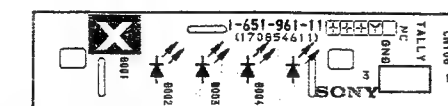


- H BOARD -

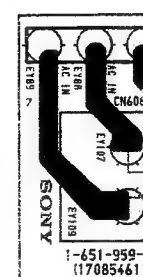


(PVM-1351Q/1354Q only)

- X BOARD -



- J BOARD



PVM-1350/1351Q/1354Q

PVM-1350/1351Q/1354Q

**G**

[POWER SUPPLY]

**Q**[VIDEO IN, VIDEO SW, Y/C-VIDEO IN/OUT,  
R. G. B SIGNAL INPUT, AUDIO IN, AUDIO SW]**H**

[CONTROL SWITCH]

**X**

[INDICATOR]

**J**

[POWER SWITCH]

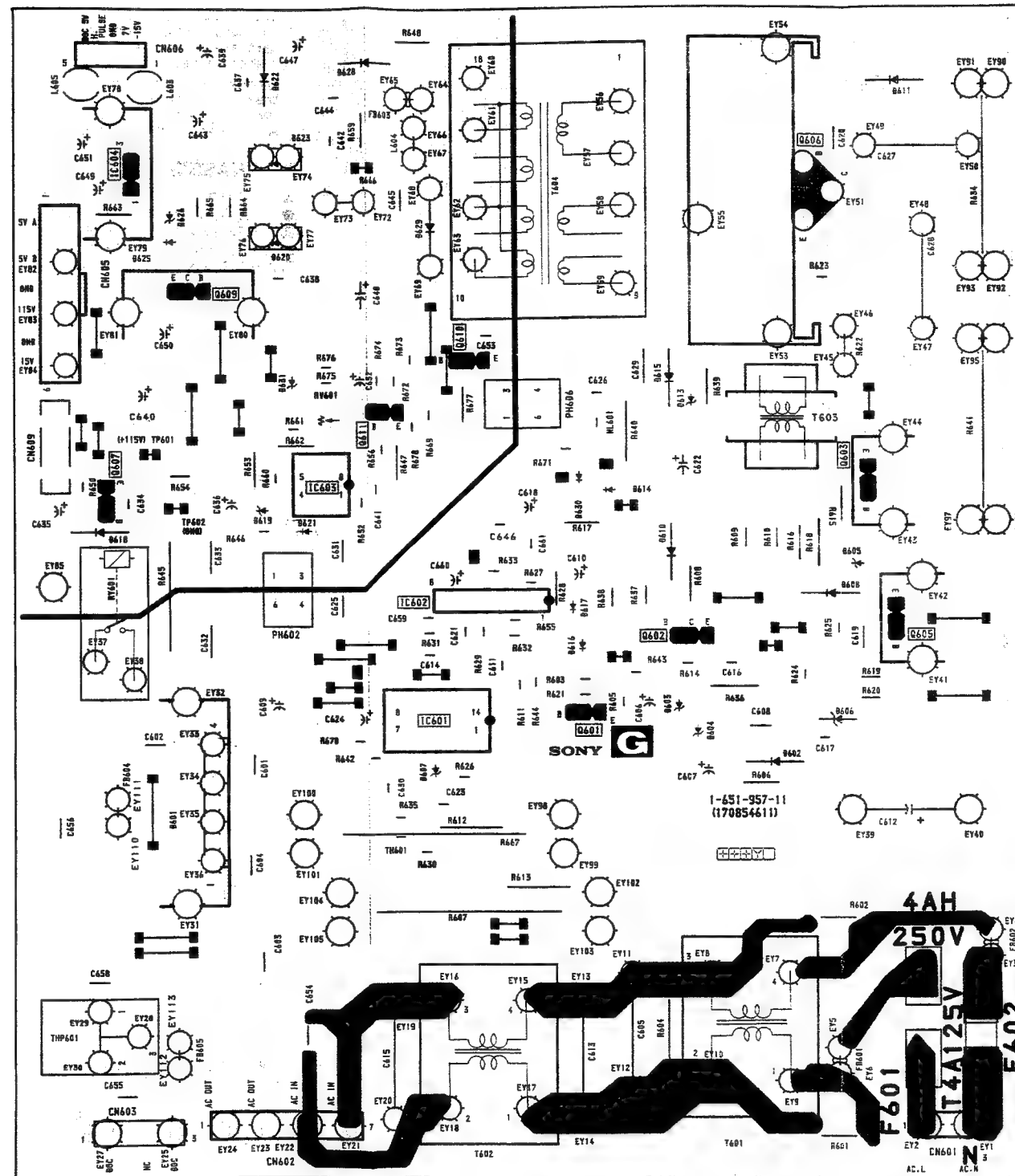
**C**

[R. G. B OUT]

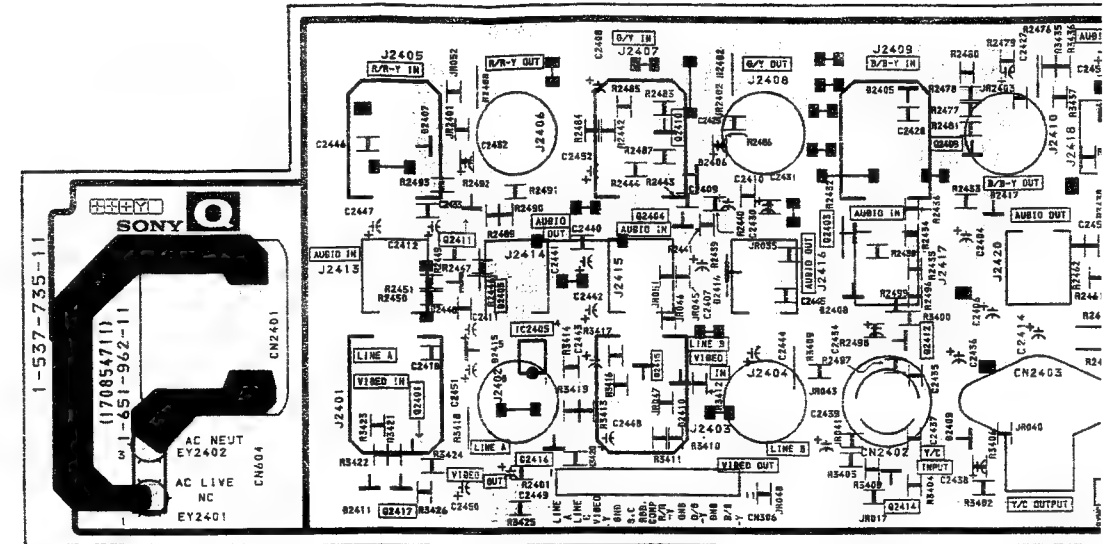
**S**

[CAPTION DECORDER]

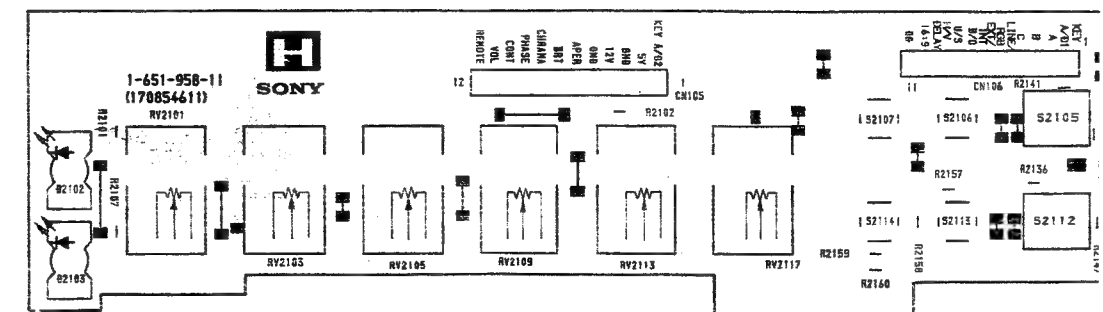
- G BOARD -



- Q BOARD -

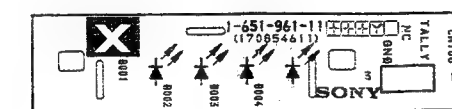


- H BOARD -

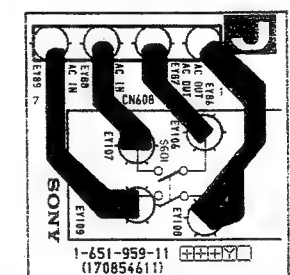


(PVM-1351Q/1354Q only)

- X BOARD -



- J BOARD -



S-VIDEO	ANALOG
1.8	2.0
1.2	1.4
1.8	2.0
1.2	1.4
1.8	1.9
1.2	1.3
144.9	143.8
31.2	111.5
140.4	140.1
145.0	141.8
60.4	106.6
140.7	139.5
144.9	148.6
103.2	114.7
140.8	145.0
144.9	143.7
145.0	141.8
144.9	148.5
167.0	173.5
154.0	161.2
167.0	173.5
154.1	161.3
167.0	173.5
154.5	161.4
166.8	173.5
176.6	193.8
167.2	173.9
167.4	174.1
140.3	145.7
144.9	148.5
140.7	145.0
140.7	139.4
145.1	141.8
140.5	138.4
140.5	141.2
144.9	143.8
140.4	140.0

D701	PROTECT 1
D702	PROTECT 2
D703	PROTECT 3
D704	PROTECT 4
D705	PROTECT 5
D706	PROTECT 6
D707	PROTECT 7
D708	PROTECT 8
D709	PROTECT 9
D710	PROTECT 10
D711	PROTECT 11
D712	PROTECT 12
D713	PROTECT 13
Q701	B DRIVE
Q702	G DRIVE
Q703	R DRIVE
Q704	B BUFF
Q705	G BUFF
Q706	R BUFF
Q707	S OUT
Q708	G OUT
Q709	R OUT
Q710	IK SW 1
Q711	IK SW 2
Q712	IK SW 3
Q713	V. BLK OUT
Q714	V. BLK INT
Q715	TRACE SW 1
Q716	TRACE SW 2
Q717	TRACE SW 3

**H**

[CONTROL SWITCH]

**X**

[INDICATOR]

**J**

[POWER SWITCH]

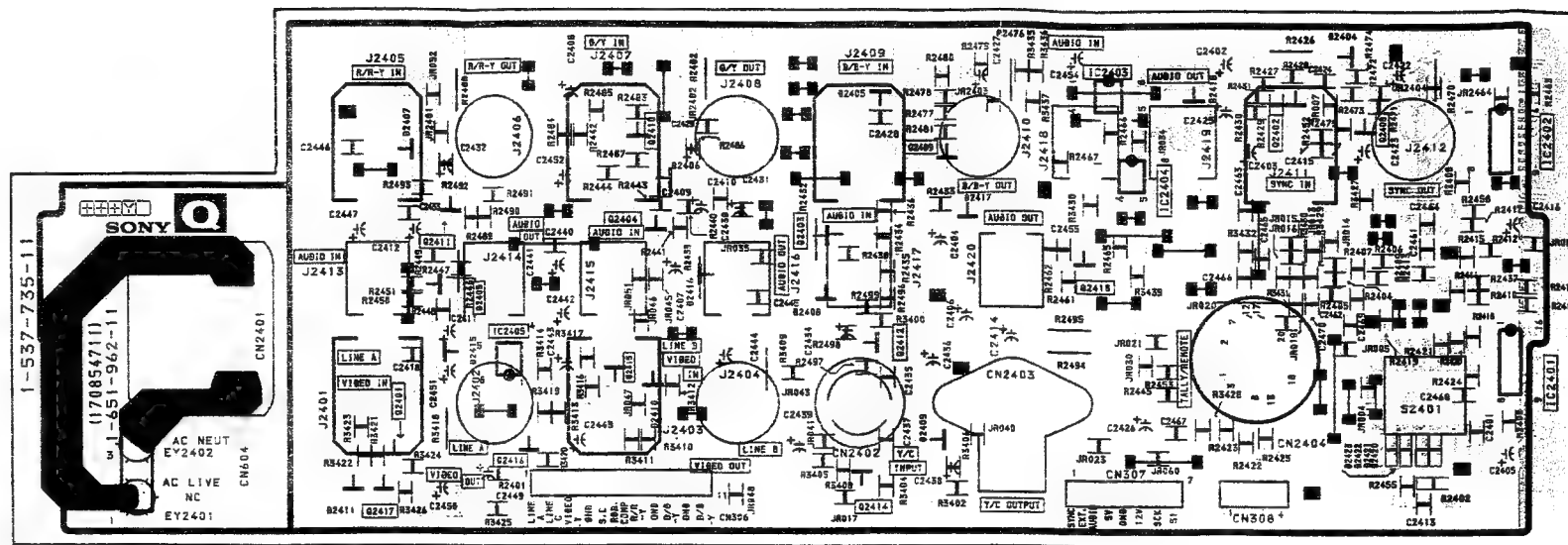
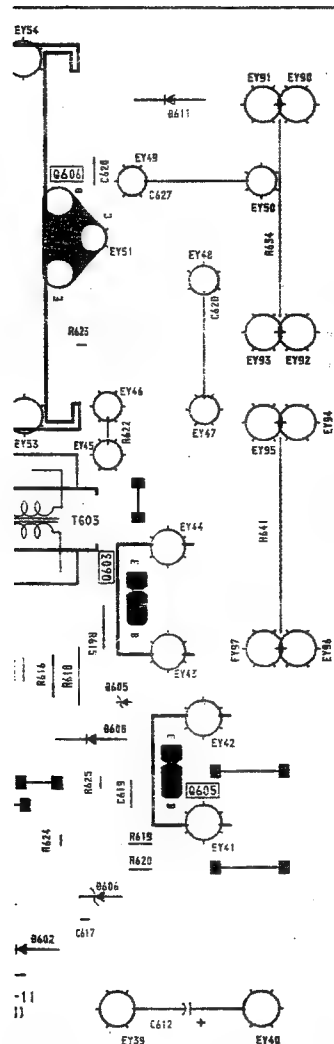
**C**

[R. G. B OUT]

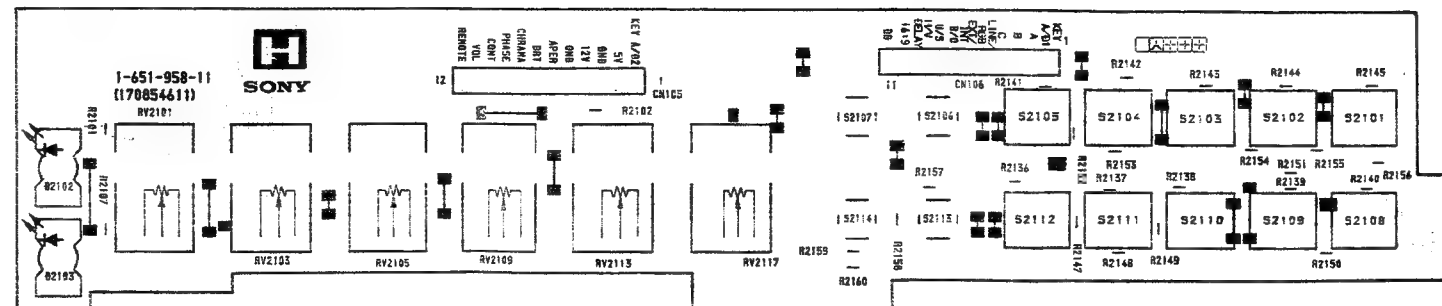
**S**

[CAPTION DECORDER]

- Q BOARD -

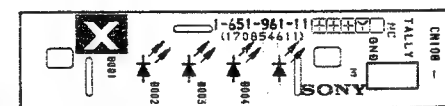


- H BOARD -

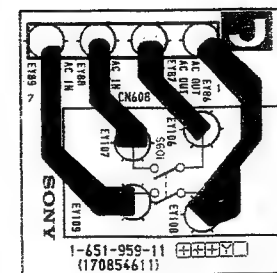


(PVM-1351Q/1354Q only)

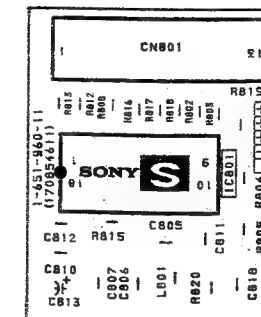
- X BOARD -



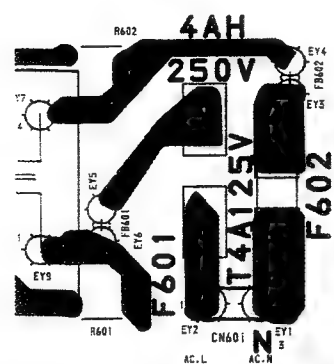
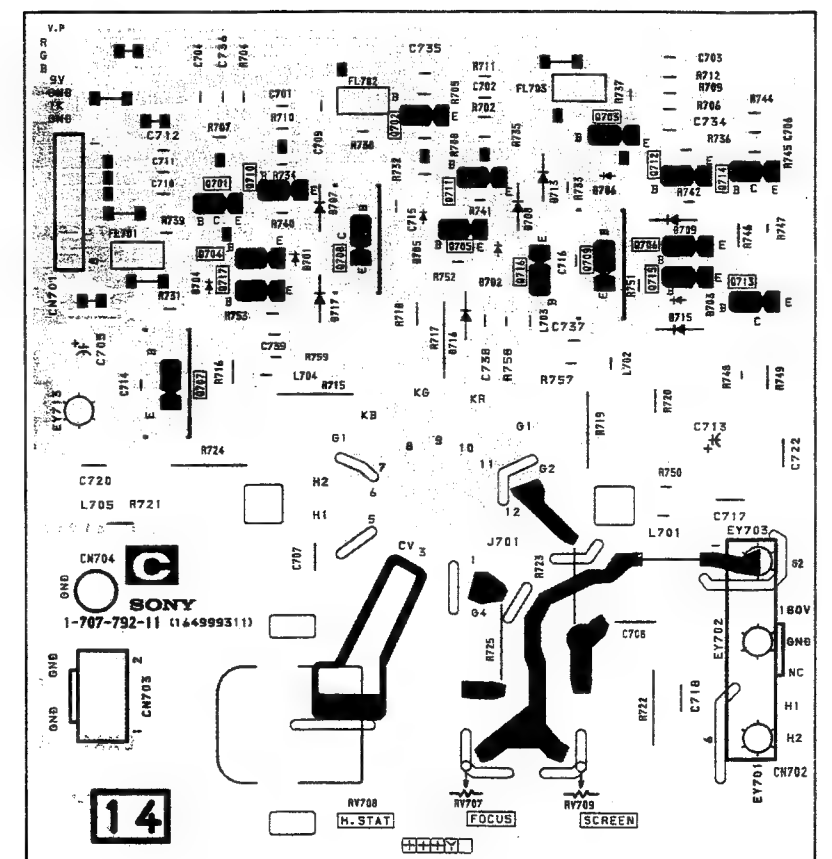
- J BOARD -



- S BOARD -



- C BOARD -



Schematic diagram

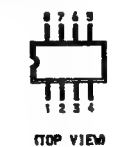
← **C** board

- 87 -

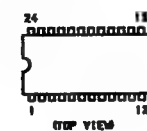


# 6-5. SEMICONDUCTORS

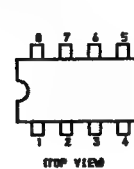
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NJM2245M  
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CXA1214P



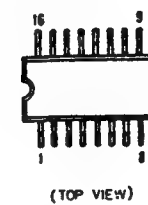
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LM324D  
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MC74HC36F  
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XRU4584BF

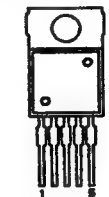

LM7805CT



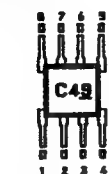
MC14094BF



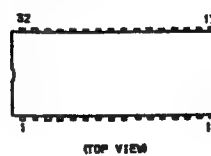
MC14538BF



MM1108XS


MM1148XF  
MM1149XF


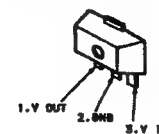
MS1279FP



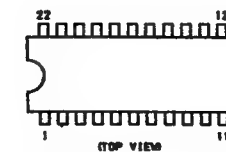
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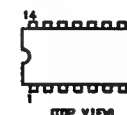
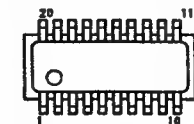
S-80743AL-A7-S



μPC1377C



μPC1394C


μPD6451AGT-632-E2  
μPD6451AGT-629-E2


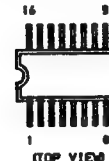
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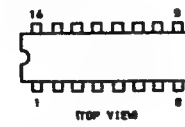
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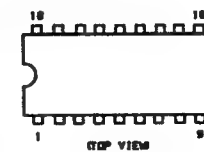
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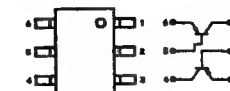
XRU4053BF-E2



Z8612812PSC


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0TC124EK  
0TC144EK  
2SA1037K-Q  
2SA1162-G  
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2SC2412K


IMT1US



IMX1


2SA1091-O  
2SC2551O  
2SC2551-RO

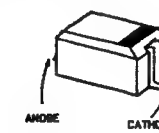
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2SC2785-HFE

2SA1220A-P  
2SC2611  
2SC2688-LK  
2SC2690A-Q

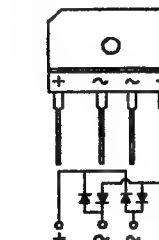
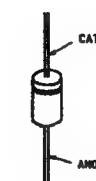
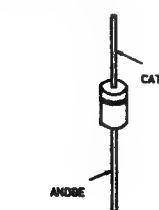
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2SC2958-L  
2S0774-3  
2S0774-34

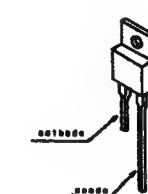
2S01134-C  
2S01944-K

0TZ11B  
0TZ13C  
0TZ3.6A  
0TZ5.6B  
0TZ6.2  
MA110  
R04.7SB  
1SV232-TPH3  
1SV230-TPHR3


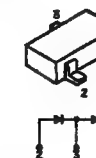
04SB60L


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EGP200  
EL1Z  
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GP080  
RGP02-17EL-6433  
RGP100PKG23  
UF5406  
1SS83  
10E-2

ERC06-15S  
RH-1A  
RH-1Z  
RU-3AM  
S1B01-04  
S1B01-06

ERC38-06  
V19E  
V19G

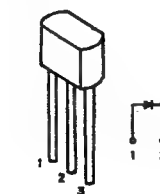
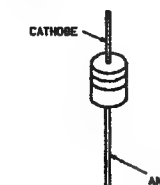

FML-G12S



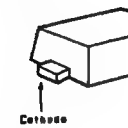
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MA157  
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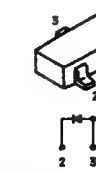
MC932


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R039ES-B4  
R06.8ES-B2  
1SS119


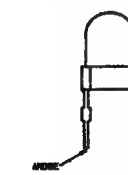
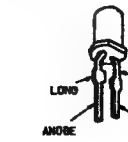
R010SBL



1SS184


1S2835  
1S2836


SEL38100LC


SLP281C-50  
TLG123A  
TLY123




## SECTION 7 EXPLODED VIEWS

### NOTE:

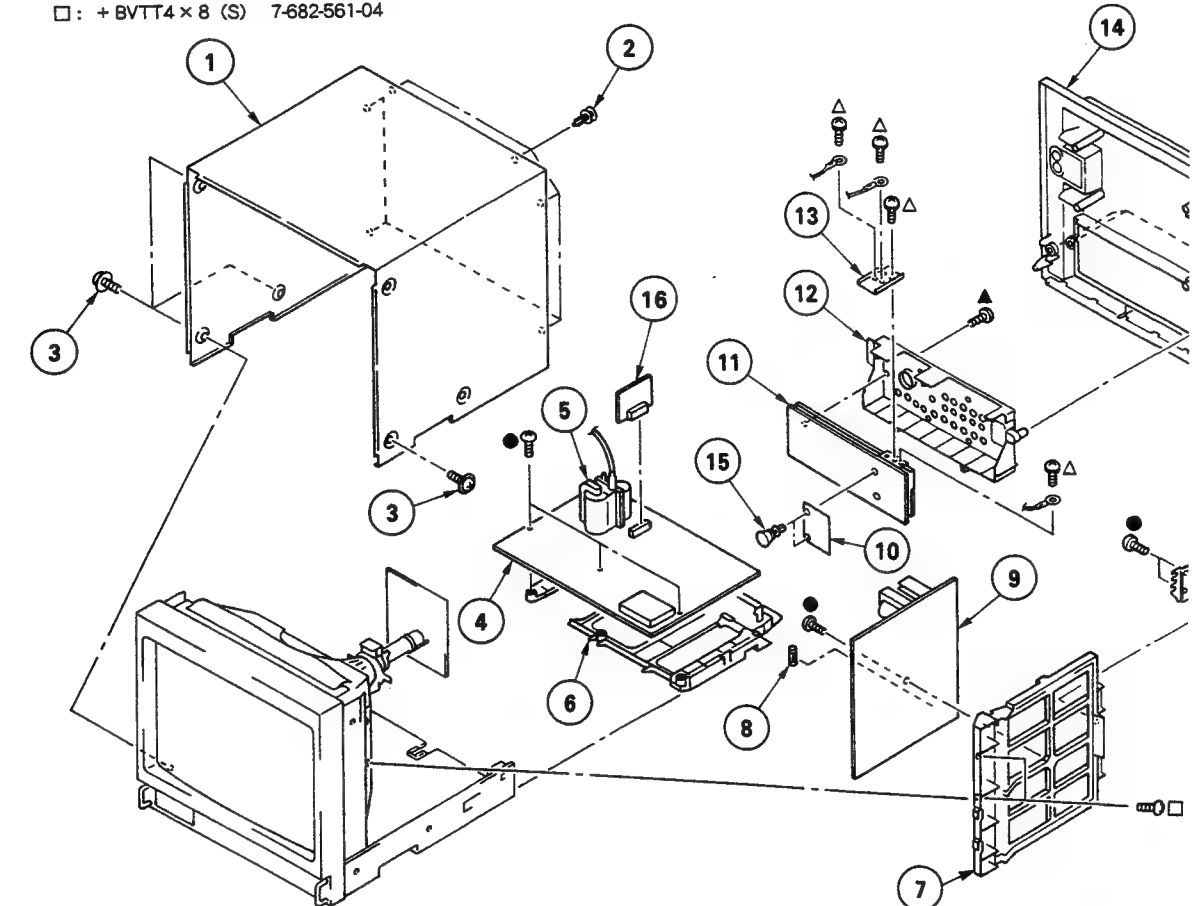
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked " \* " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark  $\Delta$  are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque  $\Delta$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

### 7-1. CHASSIS

- $\Delta$ : + BVTP3  $\times$  8 7-685-646-79
- $\bullet$ : + BVTP3  $\times$  12 7-685-648-79
- $\blacksquare$ : + BVTP4  $\times$  16 7-685-663-79
- $\triangle$ : + PS4  $\times$  8 7-682-661-09
- $\square$ : + BVTT4  $\times$  8 (S) 7-682-561-04



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION
1	X-4031-775-2	COVER ASSY, TOP		10	*4-044-053-01	SHEET, AC COVER
2	4-391-825-01	RIVET, NYLON		11	1-537-735-11	TERMINAL BOARD ASSY, I/O (A) (PVM-1350)
3	4-847-802-11	SCREW (OS), CASE, CLAW		12	1-537-735-21	TERMINAL BOARD ASSY, I/O (E) (PVM-1350)
4	*A-1297-195-A	A BOARD, COMPLETE (PVM-1351Q/1354Q)			4-043-688-01	PANEL, CONNECTOR (PVM-1351Q)
	*A-1297-196-A	A BOARD, COMPLETE (PVM-1350)			4-043-688-11	PANEL, CONNECTOR (PVM-1350)
5	$\Delta$ 1-453-163-11	TRANSFORMER ASSY, FLYBACK		13	*4-043-678-01	TERMINAL, GROUND
6	*4-043-690-01	BRACKET, MAIN		14	4-043-687-01	COVER, REAR
7	*4-043-689-01	BRACKET, G		15	4-386-618-01	RIVET, T TYPE
8	$\Delta$ 1-532-746-11	FUSE, GLASS TUBE (4.0A/125V)		16	*A-1390-391-A	S BOARD, COMPLETE
9	*A-1316-174-A	G BOARD, COMPLETE		17	*4-044-256-01	SHEET METAL, G REINFORCEMENT

0TA144EK  
0TC124EK  
0TC144EK  
2SA1037K-Q  
2SA1162-G  
2SC1623-L5L6  
2SC2412K

2SC3460  
2SB1397-CA

0TZ11B  
0TZ13C  
0TZ3.6A  
0TZ5.6B  
0TZ6.2  
MA110  
RD4.75B  
ISV232-TPH3  
ISV230-TPHR3

ERC38-06  
V19E  
V19G

R010SBL

INT1US

2SC2958-L  
2SB774-3  
2SB774-34

04SB60L

FML-G12S

ISS184

IMX1

2SB1134-C  
2SB1944-K

MA151WK

IS2835  
IS2836

2SA1091-0  
2SC2551D  
2SC2551-RO

EGP100  
EGP300  
EGP200  
EL1Z  
ERB44-06  
GP080  
RGP02-17EL-6433  
RGP10GPKG23  
UF5406  
1SS83  
10E-2

MA157  
1SS226

SEL38100LC05

2SA1175-HFE  
2SC2785-HFE

MC932

SLP281C-50  
TLG123A  
TLY123

2SA1220A-P  
2SC2611  
2SC2688-LK  
2SC2690A-Q

ERC06-15S  
RH-1A  
RH-1Z  
RU-3AM  
SIB01-04  
SIB01-06

R0110EB  
R015ES-B2  
R03.9ES-B1  
R039ES-B4  
R06.8ES-B2  
1SS119

SLP281C-50  
TLG123A  
TLY123

# SECTION 7 EXPLODED VIEWS

## NOTE:

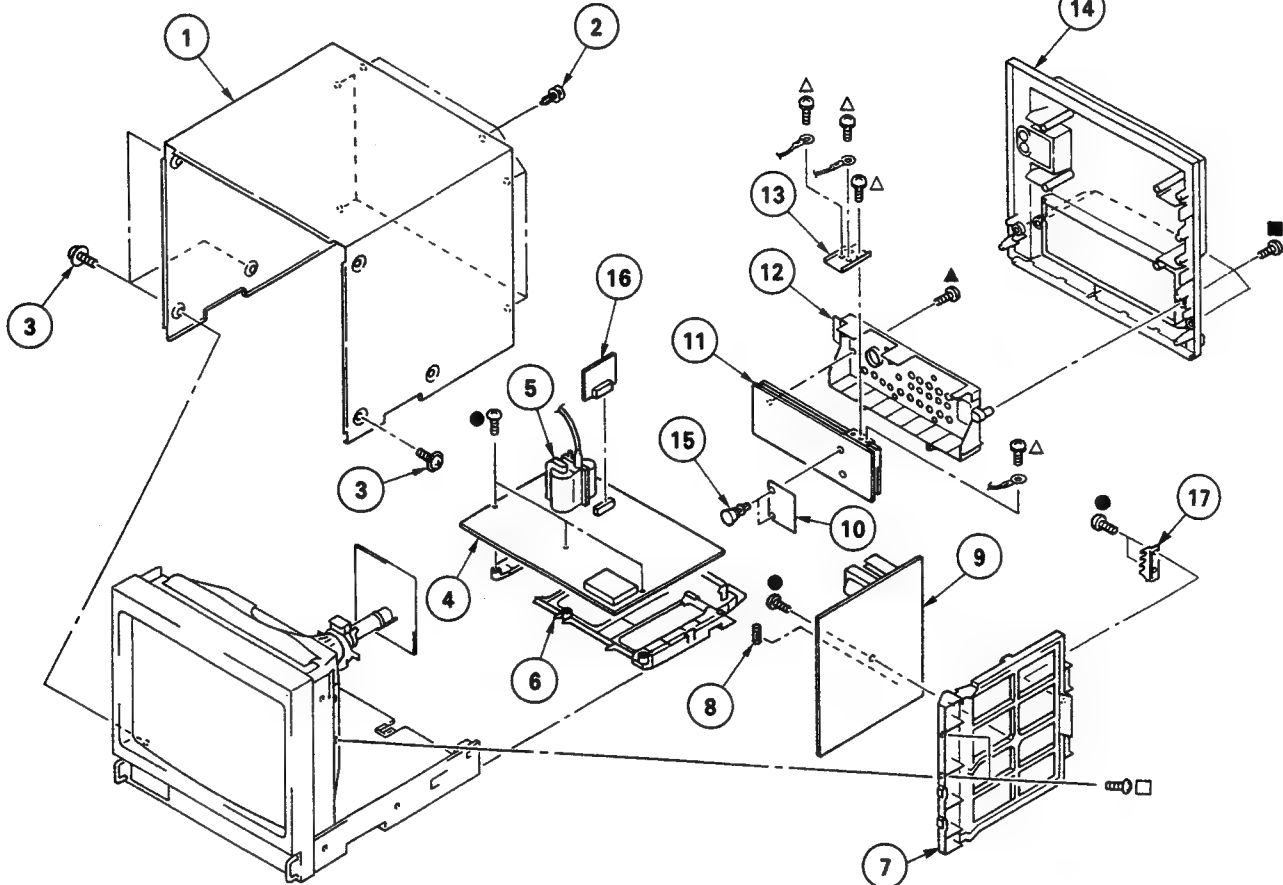
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked " \* " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark  $\Delta$  are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque  $\Delta$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

## 7-1. CHASSIS

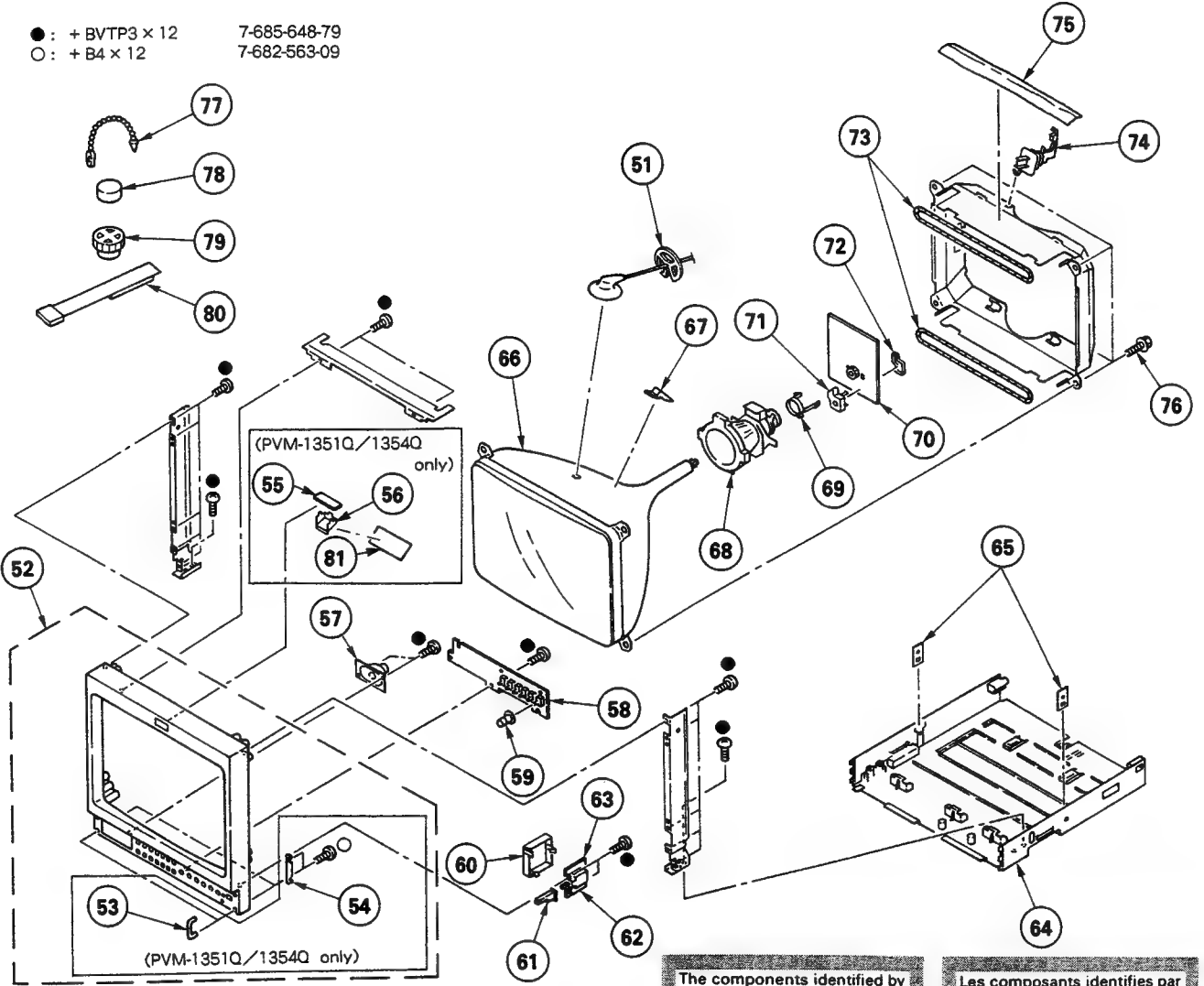
- $\Delta$ : + BVTP3  $\times$  8 7-685-646-79
- $\bullet$ : + BVTP3  $\times$  12 7-685-648-79
- $\blacksquare$ : + BVTP4  $\times$  16 7-685-663-79
- $\triangle$ : + PS4  $\times$  8 7-682-661-09
- $\square$ : + BVTT4  $\times$  8 (S) 7-682-561-04



REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
1	X-4031-775-2	COVER ASSY, TOP		10	*4-044-053-01	SHEET, AC COVER	
2	4-391-825-01	RIVET, NYLON		11	1-537-735-11	TERMINAL BOARD ASSY, I/O (A) (PVM-1351Q/1354Q)	
3	4-847-802-11	SCREW (OS), CASE, CLAW			1-537-735-21	TERMINAL BOARD ASSY, I/O (B) (PVM-1350)	
4	*A-1297-195-A	A BOARD, COMPLETE (PVM-1351Q/1354Q)		12	4-043-688-01	PANEL, CONNECTOR (PVM-1351Q/1354Q)	
	*A-1297-196-A	A BOARD, COMPLETE (PVM-1350)			4-043-688-11	PANEL, CONNECTOR (PVM-1350)	
5	$\Delta$ 1-453-163-11	TRANSFORMER ASSY, FLYBACK		13	*4-043-678-01	TERMINAL, GROUND	
6	*4-043-690-01	BRACKET, MAIN		14	4-043-687-01	COVER, REAR	
7	*4-043-689-01	BRACKET, G		15	4-386-618-01	RIVET, T TYPE	
8	$\Delta$ 1-532-746-11	FUSE, GLASS TUBE (4.0A/125V)		16	*A-1390-391-A	S BOARD, COMPLETE	
9	*A-1316-174-A	G BOARD, COMPLETE		17	*4-044-256-01	SHEET METAL, G REINFORCEMENT	

## 7-2. PICTURE TUBE

- $\bullet$ : + BVTP3  $\times$  12 7-685-648-79
- $\circ$ : + B4  $\times$  12 7-682-563-09



The components identified by shading and mark  $\Delta$  are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque  $\Delta$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
51	*3-704-372-01	HOLDER, HV CABLE		68	$\Delta$ 1-451-329-11	DEFLECTION YOKE (Y14FZA)	
52	X-4031-757-1	BEZEL ASSY (PVM-1350)	53, 54	69	*4-382-050-01	BAND, C PC BOARD	
	X-4031-756-1	BEZEL ASSY (PVM-1354Q)	53, 54	70	*A-1331-299-A	C BOARD, COMPLETE	
	X-4031-756-2	BEZEL ASSY (PVM-1351Q)	53, 54	71	*4-374-912-01	COVER (MAIN), CV VOL	
53	4-043-680-01	HANDLE, PROTECTOR (PVM-1351Q/1354Q)		72	*4-374-913-01	COVER (REAR LID), CV VOL	
54	*4-043-679-01	REINFORCEMENT, HANDLE (PVM-1351Q/1354Q)		73	$\Delta$ 1-426-442-21	COIL, DEMAGNETIZATION	
55	*A-1390-390-A	X BOARD, COMPLETE (PVM-1351Q/1354Q)		74	4-033-681-01	HOLDER, LEAD	
56	*4-043-682-01	REFLECTOR, LED (PVM-1351Q/1354Q)		75	4-391-833-01	CLOTH, PROTECTION	
57	1-544-063-12	SPEAKER		76	4-365-808-01	SCREW (5), TAPPING	
58	*A-1371-971-A	H BOARD, COMPLETE (PVM-1351Q/1354Q)		77	4-308-870-00	CLIP, LEAD WIRE	
	*A-1371-972-A	H BOARD, COMPLETE (PVM-1350)					
59	X-4030-162-2	KNOB ASSY, CONTROL		78	1-452-032-00	MAGNET, DISK; 10MM $\phi$	
60	4-043-681-01	COVER, AC SWITCH		79	1-452-094-00	MAGNET, ROTABLE DISK; 15MM $\phi$	
61	4-043-683-01	BUTTON, POWER SWITCH		80	X-4309-608-0	PERMALLOY ASSY, CONVERGENCE	
62	$\Delta$ 1-692-921-11	SWITCH, PUSH (A.C. POWER)		81	4-044-606-01	CUSHION, TALLY	
63	*A-1388-166-A	J BOARD, COMPLETE					
64	X-4031-711-1	CABINET ASSY, BOTTOM					
65	4-042-608-01	NUT, PLATE					
66	$\Delta$ 8-734-822-05	PICTURE TUBE (M34KBE20X) (PVM-1354Q)					
	$\Delta$ 8-736-255-05	PICTURE TUBE (A34JHS12X) (PVM-1350/1351Q)					
67	3-703-961-01	SPACER, DY					

# SECTION 8 ELECTRICAL PARTS LIST

PVM-1350/1351Q/1354Q

## A (PVM-1351Q/1354Q)

### NOTE:

The components identified by shading and mark  $\Delta$  are critical for safety.  
Replace only with part number specified.

Les composants identifiés par une trame et une marque  $\Delta$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

• Items marked " \* " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

• All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

### RESISTORS

• All resistors are in ohms  
• F : nonflammable

When indicating parts by reference number, please include the board name.

### CAPACITORS

• MF :  $\mu$ F, PF :  $\mu$ F • MMH : mH, UH :  $\mu$ H

### COILS

• The components identified by  $\blacksquare$  in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

• \* : Selected to yield optimum performance.

• There are some cases the reference number on one board overlaps on the other board. Therefore, when ordering parts by the reference number, please include the board name.

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
*A-1297-195-A		A BOARD, COMPLETE (PVM-1351Q/1354Q)		C171	1-163-251-11	CERAMIC CHIP 100PF	5% 50V
		*****		C172	1-163-243-11	CERAMIC CHIP 47PF	5% 50V
1-540-044-11		SOCKET, IC		C173	1-163-243-11	CERAMIC CHIP 47PF	5% 50V
*4-030-359-01		HEAT SINK, H. PIN		C174	1-163-243-11	CERAMIC CHIP 47PF	5% 50V
*4-043-154-01		HOLDER, IC		C200	1-124-927-11	ELECT 4.7MF	20% 50V
*4-043-994-01		PLATE (CF), SHIELD		C201	1-106-383-00	MYLAR 0.047MF	10% 100V
4-363-414-00		SPACER, MICA		C202	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V
4-382-854-11		SCREW (M3X10), P. SW (+)		C203	1-124-927-11	ELECT 4.7MF	20% 50V
		<BAND PASS FILTER>		C204	1-124-907-11	ELECT 10MF	20% 50V
BPF400	1-236-363-11	FILTER, BAND PASS		C205	1-124-360-00	ELECT 1000MF	20% 16V
		<CAPACITOR>		C206	1-126-375-11	ELECT 100MF	20% 25V
C105	1-163-251-11	CERAMIC CHIP 100PF	5% 50V	C207	1-124-478-11	ELECT 100MF	20% 25V
C106	1-163-251-11	CERAMIC CHIP 100PF	5% 50V	C208	1-124-907-11	ELECT 10MF	20% 50V
C114	1-163-031-11	CERAMIC CHIP 0.01MF	50V	C209	1-124-927-11	ELECT 4.7MF	20% 50V
C115	1-163-031-11	CERAMIC CHIP 0.01MF	50V	C300	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C116	1-163-031-11	CERAMIC CHIP 0.01MF	50V	C304	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C117	1-163-031-11	CERAMIC CHIP 0.01MF	50V	C305	1-163-125-00	CERAMIC CHIP 220PF	5% 50V
C118	1-163-125-00	CERAMIC CHIP 220PF	5% 50V	C306	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C119	1-165-319-11	CERAMIC CHIP 0.1MF	50V	C309	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C121	1-163-237-11	CERAMIC CHIP 27PF	5% 50V	C310	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C123	1-165-319-11	CERAMIC CHIP 0.1MF	50V	C311	1-163-809-11	CERAMIC CHIP 0.047MF	10% 25V
C124	1-163-251-11	CERAMIC CHIP 100PF	5% 50V	C312	1-124-925-11	ELECT 2.2MF	20% 50V
C132	1-163-141-00	CERAMIC CHIP 0.001MF	5% 50V	C313	1-163-145-00	CERAMIC CHIP 0.0015MF	5% 50V
C133	1-163-251-11	CERAMIC CHIP 100PF	5% 50V	C314	1-163-249-11	CERAMIC CHIP 82PF	5% 50V
C134	1-163-251-11	CERAMIC CHIP 100PF	5% 50V	C315	1-124-907-11	ELECT 10MF	20% 50V
C135	1-163-251-11	CERAMIC CHIP 100PF	5% 50V	C316	1-124-477-11	ELECT 47MF	20% 25V
C136	1-163-251-11	CERAMIC CHIP 100PF	5% 50V	C317	1-163-097-00	CERAMIC CHIP 15PF	5% 50V
C141	1-164-161-11	CERAMIC CHIP 0.0022MF	10% 50V	C318	1-124-907-11	ELECT 10MF	20% 50V
C142	1-163-125-00	CERAMIC CHIP 220PF	5% 50V	C319	1-163-222-11	CERAMIC CHIP 5PF	0.25PF 50V
C143	1-165-319-11	CERAMIC CHIP 0.1MF	50V	C320	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C144	1-165-319-11	CERAMIC CHIP 0.1MF	50V	C322	1-163-119-00	CERAMIC CHIP 120PF	5% 50V
C145	1-165-319-11	CERAMIC CHIP 0.1MF	50V	C323	1-163-097-00	CERAMIC CHIP 15PF	5% 50V
C154	1-163-037-11	CERAMIC CHIP 0.022MF	10% 25V	C324	1-163-235-11	CERAMIC CHIP 22PF	5% 50V
C155	1-163-023-00	CERAMIC CHIP 0.015MF	10% 50V	C325	1-124-907-11	ELECT 10MF	20% 50V
C156	1-163-019-00	CERAMIC CHIP 0.0068MF	10% 50V	C326	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C157	1-163-019-00	CERAMIC CHIP 0.0068MF	10% 50V	C327	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C158	1-163-809-11	CERAMIC CHIP 0.047MF	10% 25V	C328	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C159	1-163-037-11	CERAMIC CHIP 0.022MF	10% 25V	C329	1-163-251-11	CERAMIC CHIP 100PF	5% 50V
C161	1-124-477-11	ELECT 47MF	20% 16V	C330	1-163-243-11	CERAMIC CHIP 47PF	5% 50V
C162	1-163-141-00	CERAMIC CHIP 0.001MF	5% 50V	C331	1-163-097-00	CERAMIC CHIP 15PF	5% 50V
C164	1-165-319-11	CERAMIC CHIP 0.1MF	50V	C332	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C165	1-165-319-11	CERAMIC CHIP 0.1MF	50V	C333	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C166	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	C334	1-163-141-00	CERAMIC CHIP 0.001MF	5% 50V
C167	1-124-472-11	ELECT 470MF	20% 10V	C335	1-163-141-00	CERAMIC CHIP 0.001MF	5% 50V
C168	1-124-472-11	ELECT 470MF	20% 10V	C336	1-124-477-11	ELECT 47MF	20% 25V
C169	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	C337	1-163-031-11	CERAMIC CHIP 0.01MF	50V
				C338	1-163-119-00	CERAMIC CHIP 120PF	5% 50V
				C339	1-163-097-00	CERAMIC CHIP 15PF	5% 50V
				C340	1-163-031-11	CERAMIC CHIP 0.01MF	50V
				C341	1-163-119-00	CERAMIC CHIP 120PF	5% 50V
				C342	1-163-018-00	CERAMIC CHIP 0.0056MF	10% 50V

**A (PVM-1351Q/1354Q)**

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
C343	1-163-031-11	CERAMIC CHIP 0.01MF		C409	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C344	1-163-141-00	CERAMIC CHIP 0.001MF	5%				50V
C345	1-163-141-00	CERAMIC CHIP 0.001MF	5%	C410	1-124-916-11	ELECT 22MF	20%
C346	1-124-903-11	ELECT 1MF	20%	C411	1-164-004-11	CERAMIC CHIP 0.1MF	10%
C347	1-163-243-11	CERAMIC CHIP 47PF	5%	C414	1-163-031-11	CERAMIC CHIP 0.01MF	50V
				C415	1-124-907-11	ELECT 10MF	20%
C348	1-164-004-11	CERAMIC CHIP 0.1MF	10%	C416	1-164-232-11	CERAMIC CHIP 0.01MF	10%
C349	1-163-141-00	CERAMIC CHIP 0.001MF	5%				50V
C350	1-163-141-00	CERAMIC CHIP 0.001MF	5%	C417	1-164-232-11	CERAMIC CHIP 0.01MF	10%
C351	1-124-477-11	ELECT 47MF	20%	C418	1-164-182-11	CERAMIC CHIP 0.0033MF	10%
C352	1-163-031-11	CERAMIC CHIP 0.01MF		C419	1-124-472-11	ELECT 470MF	20%
				C420	1-163-809-11	CERAMIC CHIP 0.047MF	10%
C353	1-165-319-11	CERAMIC CHIP 0.1MF		C421	1-164-222-11	CERAMIC CHIP 0.22MF	25V
C354	1-163-121-00	CERAMIC CHIP 150PF	5%				
C355	1-124-903-11	ELECT 1MF	20%	C422	1-124-903-11	ELECT 1MF	20%
C356	1-124-927-11	ELECT 4.7MF	20%	C423	1-163-809-11	CERAMIC CHIP 0.047MF	10%
C357	1-163-031-11	CERAMIC CHIP 0.01MF		C424	1-163-809-11	CERAMIC CHIP 0.047MF	10%
				C425	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C358	1-163-031-11	CERAMIC CHIP 0.01MF		C426	1-163-243-11	CERAMIC CHIP 47PF	5%
C359	1-124-477-11	ELECT 47MF	20%				50V
C360	1-164-232-11	CERAMIC CHIP 0.01MF	10%	C427	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C361	1-163-031-11	CERAMIC CHIP 0.01MF		C428	1-124-119-00	ELECT 330MF	20%
C362	1-163-031-11	CERAMIC CHIP 0.01MF		C429	1-163-031-11	CERAMIC CHIP 0.01MF	50V
				C430	1-124-119-00	ELECT 330MF	20%
C363	1-163-099-00	CERAMIC CHIP 18PF	5%	C431	1-165-319-11	CERAMIC CHIP 0.1MF	50V
C364	1-163-031-11	CERAMIC CHIP 0.01MF					
C365	1-106-343-00	MYLAR 0.001MF	10%	C432	1-164-004-11	CERAMIC CHIP 0.1MF	10%
C366	1-163-031-11	CERAMIC CHIP 0.01MF		C433	1-163-235-11	CERAMIC CHIP 22PF	5%
C367	1-163-031-11	CERAMIC CHIP 0.01MF		C434	1-163-031-11	CERAMIC CHIP 0.01MF	50V
				C435	1-163-089-00	CERAMIC CHIP 6PF	0.25PF
C368	1-124-907-11	ELECT 10MF	20%	C436	1-164-004-11	CERAMIC CHIP 0.1MF	10%
C369	1-164-298-11	CERAMIC CHIP 0.15MF	10%				25V
C370	1-124-477-11	ELECT 47MF	20%	C437	1-164-004-11	CERAMIC CHIP 0.1MF	10%
C371	1-124-477-11	ELECT 47MF	20%	C438	1-163-809-11	CERAMIC CHIP 0.047MF	10%
C372	1-163-031-11	CERAMIC CHIP 0.01MF		C439	1-163-809-11	CERAMIC CHIP 0.047MF	10%
				C440	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C373	1-163-141-00	CERAMIC CHIP 0.001MF	5%	C441	1-126-962-11	ELECT 3.3MF	20%
C374	1-124-903-11	ELECT 1MF	20%				50V
C375	1-163-125-00	CERAMIC CHIP 220PF	5%	C442	1-163-809-11	CERAMIC CHIP 0.047MF	10%
C376	1-124-902-00	ELECT 0.47MF	20%	C443	1-163-243-11	CERAMIC CHIP 47PF	5%
C377	1-163-809-11	CERAMIC CHIP 0.047MF	10%	C444	1-165-319-11	CERAMIC CHIP 0.1MF	50V
				C445	1-163-809-11	CERAMIC CHIP 0.047MF	10%
C378	1-163-809-11	CERAMIC CHIP 0.047MF	10%	C446	1-163-089-00	CERAMIC CHIP 6PF	0.25PF
C379	1-163-031-11	CERAMIC CHIP 0.01MF					50V
C380	1-124-472-11	ELECT 470MF	20%	C447	1-163-263-11	CERAMIC CHIP 330PF	5%
C381	1-163-031-11	CERAMIC CHIP 0.01MF		C448	1-163-243-11	CERAMIC CHIP 47PF	5%
C382	1-163-243-11	CERAMIC CHIP 47PF	5%	C449	1-163-227-11	CERAMIC CHIP 10PF	0.5PF
				C450	1-163-809-11	CERAMIC CHIP 0.047MF	10%
C383	1-124-477-11	ELECT 47MF	20%	C451	1-164-004-11	CERAMIC CHIP 0.1MF	10%
C384	1-163-249-11	CERAMIC CHIP 82PF	5%				25V
C385	1-124-477-11	ELECT 47MF	20%	C452	1-163-263-11	CERAMIC CHIP 330PF	5%
C386	1-124-907-11	ELECT 10MF	20%	C453	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C387	1-163-141-00	CERAMIC CHIP 0.001MF	5%	C454	1-163-243-11	CERAMIC CHIP 47PF	5%
				C455	1-163-263-11	CERAMIC CHIP 330PF	5%
C388	1-124-907-11	ELECT 10MF	20%	C456	1-163-089-00	CERAMIC CHIP 6PF	0.25PF
C389	1-124-477-11	ELECT 47MF	20%				50V
C390	1-163-243-11	CERAMIC CHIP 47PF	5%	C457	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C391	1-124-477-11	ELECT 47MF	20%	C458	1-163-249-11	CERAMIC CHIP 82PF	5%
C392	1-164-298-11	CERAMIC CHIP 0.15MF	10%	C459	1-165-319-11	CERAMIC CHIP 0.1MF	50V
				C460	1-164-004-11	CERAMIC CHIP 0.1MF	10%
C393	1-164-298-11	CERAMIC CHIP 0.15MF	10%	C461	1-163-119-00	CERAMIC CHIP 120PF	5%
C394	1-124-477-11	ELECT 47MF	20%				50V
C395	1-163-235-11	CERAMIC CHIP 22PF	5%	C462	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C396	1-164-299-11	CERAMIC CHIP 0.22MF	10%	C463	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C397	1-124-477-11	ELECT 47MF	20%	C464	1-164-299-11	CERAMIC CHIP 0.22MF	10%
				C465	1-163-097-00	CERAMIC CHIP 15PF	5%
C398	1-124-477-11	ELECT 47MF	20%	C466	1-163-119-00	CERAMIC CHIP 120PF	5%
C399	1-124-477-11	ELECT 47MF	20%				50V
C400	1-164-232-11	CERAMIC CHIP 0.01MF	10%	C467	1-163-119-00	CERAMIC CHIP 120PF	5%
C401	1-164-346-11	CERAMIC CHIP 1MF		C469	1-163-037-11	CERAMIC CHIP 0.022MF	10%
C402	1-124-910-11	ELECT 47MF	20%	C470	1-163-243-11	CERAMIC CHIP 47PF	5%
				C471	1-163-105-00	CERAMIC CHIP 33PF	5%
C403	1-164-232-11	CERAMIC CHIP 0.01MF	10%	C472	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C406	1-124-916-11	ELECT 22MF	20%				
C407	1-124-477-11	ELECT 47MF	20%	C473	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C408	1-164-232-11	CERAMIC CHIP 0.01MF	10%	C475	1-163-031-11	CERAMIC CHIP 0.01MF	50V



The components identified by shading and mark  $\Delta$  are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque  $\Delta$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

PVM-1350/1351Q/1354Q

# A (PVM-1351Q/1354Q)

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
C476	1-163-031-11	CERAMIC CHIP 0.01MF	50V	C549	1-124-667-11	ELECT 10MF	20% 50V
C477	1-164-299-11	CERAMIC CHIP 0.22MF	10% 25V	C550	1-126-163-11	ELECT 4.7MF	20% 50V
C478	1-124-907-11	ELECT 10MF	20% 50V	C551	1-106-375-12	MYLAR 0.022MF	10% 100V
C479	1-163-121-00	CERAMIC CHIP 150PF	5% 50V	C552	1-126-336-11	ELECT 220MF	20% 25V
C482	1-124-472-11	ELECT 470MF	20% 10V	C554	1-130-736-11	FILM 0.01MF	5% 50V
C483	1-163-249-11	CERAMIC CHIP 82PF	5% 50V	C555	1-124-907-11	ELECT 10MF	20% 50V
C484	1-163-113-00	CERAMIC CHIP 68PF	5% 50V	C556	1-124-907-11	ELECT 10MF	20% 50V
C485	1-163-113-00	CERAMIC CHIP 68PF	5% 50V	C557	1-106-381-12	MYLAR 0.039MF	10% 100V
C486	1-163-249-11	CERAMIC CHIP 82PF	5% 50V	C558	1-124-903-11	ELECT 1MF	20% 50V
C487	1-163-235-11	CERAMIC CHIP 22PF	5% 50V	C559	1-136-173-00	FILM 0.47MF	5% 50V
C488	1-163-097-00	CERAMIC CHIP 15PF	5% 50V	C561	1-136-159-00	FILM 0.033MF	5% 50V
C490	1-164-336-11	CERAMIC CHIP 0.33MF	25V	C562	1-163-249-11	CERAMIC CHIP 82PF	5% 50V
C491	1-164-336-11	CERAMIC CHIP 0.33MF	25V	C564	1-124-907-11	ELECT 10MF	20% 50V
C492	1-164-336-11	CERAMIC CHIP 0.33MF	25V	C565	1-124-903-11	ELECT 1MF	20% 50V
C493	1-104-760-11	CERAMIC CHIP 0.047MF	10% 50V	C566	1-106-367-00	MYLAR 0.01MF	10% 100V
C494	1-104-760-11	CERAMIC CHIP 0.047MF	10% 50V	C567	1-136-499-11	FILM 0.047MF	5% 50V
C495	1-124-907-11	ELECT 10MF	20% 50V	C568	1-124-903-11	ELECT 1MF	20% 50V
C496	1-163-249-11	CERAMIC CHIP 82PF	5% 50V	C569	1-131-351-00	TANTALUM 4.7MF	10% 25V
C497	1-163-011-11	CERAMIC CHIP 0.0015MF	10% 50V	C570	1-124-360-00	ELECT 1000MF	20% 16V
C498	1-124-925-11	ELECT 2.2MF	20% 50V	C571	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C499	1-163-031-11	CERAMIC CHIP 0.01MF	50V	C572	1-104-709-11	ELECT 4.7MF	0 160V
C500	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	C573	1-136-173-00	FILM 0.47MF	5% 50V
C501	1-164-182-11	CERAMIC CHIP 0.0033MF	10% 50V	C574	1-249-383-11	CARBON 1.5	5% 1/4W F
C502	1-163-141-00	CERAMIC CHIP 0.001MF	5% 50V	C575	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C503	1-163-251-11	CERAMIC CHIP 100PF	5% 50V	C576	1-102-244-00	CERAMIC 220PF	10% 500V
C504	1-136-175-00	FILM 0.068MF	5% 50V	C577	1-124-907-11	ELECT 10MF	20% 50V
C505	1-163-135-00	CERAMIC CHIP 560PF	5% 50V	C578	1-136-540-11	FILM 0.82MF	5% 200V
C506	1-124-902-00	ELECT 0.47MF	20% 50V	C579	1-126-804-11	ELECT 100MF	20% 50V
C507	1-126-375-11	ELECT 100MF	20% 25V	C580	1-136-756-11	FILM 0.24MF	5% 200V
C508	1-130-495-00	MYLAR 0.1MF	5% 50V	C581	1-124-927-11	ELECT 4.7MF	20% 50V
C509	1-124-935-11	ELECT 470MF	20% 100V	C582	1-102-002-00	CERAMIC 680PF	10% 500V
C511	1-108-700-11	MYLAR 0.047MF	10% 200V	C583	1-136-569-11	FILM 1.2MF	5% 200V
C512	1-124-902-00	ELECT 0.47MF	20% 50V	C584	1-123-267-00	ELECT 2.2MF	20% 160V
C513	1-126-096-11	ELECT 10MF	20% 25V	C585	1-124-666-11	ELECT 4.7MF	20% 250V
C514	$\Delta$ 1-129-718-00	FILM 0.022MF	10% 630V	C586	1-124-557-11	ELECT 1000MF	20% 25V
C515	1-163-809-11	CERAMIC CHIP 0.047MF	10% 25V	C587	1-102-030-00	CERAMIC 330PF	10% 500V
C516	1-102-030-00	CERAMIC 330PF	10% 500V	C588	1-124-667-11	ELECT 10MF	20% 50V
C517	1-163-024-00	CERAMIC CHIP 0.018MF	10% 50V	C589	1-102-030-00	CERAMIC 330PF	10% 500V
C518	1-107-995-51	ELECT 100MF	0 160V	C590	1-126-387-11	ELECT 2.2MF	20% 50V
C519	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V	C591	1-106-371-00	MYLAR 0.015MF	10% 200V
C520	1-163-257-11	CERAMIC CHIP 180PF	5% 50V	C592	1-123-932-00	ELECT 4.7MF	20% 160V
C521	1-162-114-00	CERAMIC 0.0047MF	2KV	C593	1-165-319-11	CERAMIC CHIP 0.1MF	50V
C522	1-126-375-11	ELECT 100MF	20% 25V	C594	1-163-229-11	CERAMIC CHIP 12PF	5% 50V
C523	1-126-801-11	ELECT 1MF	20% 50V	C595	1-126-336-11	ELECT 220MF	20% 25V
C525	$\Delta$ 1-136-545-11	FILM 0.0078MF	3% 2KV	C596	1-124-478-11	ELECT 100MF	20% 25V
C526	$\Delta$ 1-162-116-91	CERAMIC 680PF	10% 2KV	C597	1-164-346-11	CERAMIC CHIP 1MF	16V
C529	1-104-789-51	ELECT 0.47MF	20% 50V	C598	1-164-346-11	CERAMIC CHIP 1MF	16V
C530	1-124-120-11	ELECT 220MF	20% 25V	C599	1-126-157-11	ELECT 10MF	20% 16V
C531	1-124-477-11	ELECT 47MF	20% 25V	C1300	1-124-477-11	ELECT 47MF	20% 25V
C532	1-163-031-11	CERAMIC CHIP 0.01MF	50V	C1301	1-124-477-11	ELECT 47MF	20% 25V
C533	1-102-212-00	CERAMIC 820PF	10% 500V	C1302	1-163-133-00	CERAMIC CHIP 470PF	5% 50V
C534	1-123-948-00	ELECT 22MF	20% 250V	C1304	1-124-477-11	ELECT 47MF	20% 25V
C537	1-124-913-11	ELECT 470MF	20% 50V	C1305	1-124-477-11	ELECT 47MF	20% 25V
C538	1-106-367-00	MYLAR 0.01MF	10% 100V	C1306	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C539	1-130-480-00	FILM 0.0056MF	5% 50V	C1307	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C540	1-163-133-00	CERAMIC CHIP 470PF	5% 50V	C1308	1-124-907-11	ELECT 10MF	20% 50V
C541	1-124-927-11	ELECT 4.7MF	20% 50V	C1309	1-163-257-11	CERAMIC CHIP 180PF	5% 50V
C542	1-106-351-00	MYLAR 0.0022MF	10% 100V	C1310	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C543	1-106-351-00	MYLAR 0.0022MF	10% 100V	C1311	1-124-477-11	ELECT 47MF	20% 25V
C544	1-106-367-00	MYLAR 0.01MF	10% 100V	C1312	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C545	1-102-212-00	CERAMIC 820PF	10% 500V	C1313	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C546	1-163-119-00	CERAMIC CHIP 120PF	5% 50V	C1314	1-124-477-11	ELECT 47MF	20% 25V
C547	1-163-251-11	CERAMIC CHIP 100PF	5% 50V	C1315	1-124-477-11	ELECT 47MF	20% 25V
C548	1-102-212-00	CERAMIC 820PF	10% 500V				

**A (PVM-1351Q/1354Q)**

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
C1316	1-163-031-11	CERAMIC CHIP 0.01MF	50V	C1387	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C1317	1-124-477-11	ELECT 47MF	20%	C1393	1-163-251-11	CERAMIC CHIP 100PF	5%
C1318	1-124-477-11	ELECT 47MF	20%	C1400	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C1319	1-163-037-11	CERAMIC CHIP 0.022MF	10%	C1401	1-136-173-00	FILM 0.47MF	5%
C1320	1-124-477-11	ELECT 47MF	20%	C1402	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C1321	1-124-477-11	ELECT 47MF	20%	C1403	1-136-173-00	FILM 0.47MF	5%
C1322	1-124-120-11	ELECT 220MF	20%	C1404	1-164-299-11	CERAMIC CHIP 0.22MF	10%
C1323	1-163-031-11	CERAMIC CHIP 0.01MF	50V	C1405	1-163-235-11	CERAMIC CHIP 22PF	5%
C1324	1-163-031-11	CERAMIC CHIP 0.01MF	50V	C1406	1-163-090-00	CERAMIC CHIP 7PF	0.25PF
C1325	1-163-031-11	CERAMIC CHIP 0.01MF	50V	C1407	1-163-085-00	CERAMIC CHIP 2PF	0.25PF
C1326	1-124-477-11	ELECT 47MF	20%	C1408	1-163-113-00	CERAMIC CHIP 68PF	5%
C1327	1-163-031-11	CERAMIC CHIP 0.01MF	50V	C1500	1-124-473-11	ELECT 1000MF	20%
C1328	1-163-031-11	CERAMIC CHIP 0.01MF	50V	C1501	1-124-472-11	ELECT 470MF	20%
C1329	1-124-907-11	ELECT 10MF	20%	C1502	1-101-821-00	CERAMIC 0.0022MF	500V
C1330	1-163-031-11	CERAMIC CHIP 0.01MF	50V	C1503	1-164-004-11	CERAMIC CHIP 0.1MF	10%
C1331	1-124-477-11	ELECT 47MF	20%	C1504	1-124-907-11	ELECT 10MF	20%
C1332	1-124-477-11	ELECT 47MF	20%	C1505	1-136-165-00	FILM 0.1MF	5%
C1333	1-124-477-11	ELECT 47MF	20%	C1506	1-124-119-00	ELECT 330MF	20%
C1334	1-163-227-11	CERAMIC CHIP 10PF	0.5PF	C1507	1-163-141-00	CERAMIC CHIP 0.001MF	5%
C1335	1-124-477-11	ELECT 47MF	20%	C1508	1-124-927-11	ELECT 4.7MF	20%
C1336	1-124-477-11	ELECT 47MF	20%	C1509	1-124-907-11	ELECT 10MF	20%
C1338	1-163-031-11	CERAMIC CHIP 0.01MF	50V	C1510	1-124-927-11	ELECT 4.7MF	20%
C1339	1-163-031-11	CERAMIC CHIP 0.01MF	50V	C1511	1-164-182-11	CERAMIC CHIP 0.0033MF	10%
C1340	1-163-031-11	CERAMIC CHIP 0.01MF	50V	C1512	1-124-927-11	ELECT 4.7MF	20%
C1341	1-163-275-11	CERAMIC CHIP 0.001MF	5%	C1513	1-163-133-00	CERAMIC CHIP 470PF	5%
C1342	1-102-963-00	CERAMIC 33PF	5%	C1514	1-130-477-00	MYLAR 0.0033MF	5%
C1343	1-163-113-00	CERAMIC CHIP 68PF	5%	C1515	1-124-907-11	ELECT 10MF	20%
C1344	1-163-083-00	CERAMIC CHIP 1PF	0.25PF	C1516	1-163-063-00	CERAMIC CHIP 0.022MF	10%
C1345	1-124-907-11	ELECT 10MF	20%	C1517	1-126-101-11	ELECT 100MF	20%
C1346	1-124-477-11	ELECT 47MF	20%	C1518	1-124-477-11	ELECT 47MF	20%
C1347	1-163-031-11	CERAMIC CHIP 0.01MF	50V	C1519	1-163-037-11	CERAMIC CHIP 0.022MF	10%
C1348	1-163-127-00	CERAMIC CHIP 270PF	5%	C1521	1-163-243-11	CERAMIC CHIP 47PF	5%
C1349	1-163-117-00	CERAMIC CHIP 100PF	5%	<CONNECTOR>			
C1350	1-164-232-11	CERAMIC CHIP 0.01MF	10%	CN101	*1-573-979-11	CONNECTOR, BOARD TO BOARD 11P	
C1351	1-124-903-11	ELECT 1MF	20%	CN102	*1-564-514-11	PLUG, CONNECTOR 11P	
C1352	1-163-023-00	CERAMIC CHIP 0.015MF	10%	CN104	*1-564-506-11	PLUG, CONNECTOR 3P	
C1353	1-163-031-11	CERAMIC CHIP 0.01MF	50V	CN105	*1-565-503-11	CONNECTOR, BOARD TO BOARD 12P	
C1354	1-163-121-00	CERAMIC CHIP 150PF	5%	CN201	*1-564-506-11	PLUG, CONNECTOR 3P	
C1355	1-163-125-00	CERAMIC CHIP 220PF	5%	CN301	*1-564-514-11	PLUG, CONNECTOR 11P	
C1356	1-163-235-11	CERAMIC CHIP 22PF	5%	CN302	*1-564-510-11	PLUG, CONNECTOR 7P	
C1357	1-124-119-00	ELECT 330MF	20%	CN303	*1-564-515-11	PLUG, CONNECTOR 12P	
C1358	1-124-477-11	ELECT 47MF	20%	CN304	*1-564-509-11	PLUG, CONNECTOR 6P	
C1359	1-163-263-11	CERAMIC CHIP 330PF	5%	CN305	*1-565-504-11	CONNECTOR, BOARD TO BOARD 13P	
C1360	1-164-161-11	CERAMIC CHIP 0.0022MF	10%	CN401	*1-564-511-51	PLUG, CONNECTOR 8P	
C1362	1-163-249-11	CERAMIC CHIP 82PF	5%	CN402	*1-564-515-11	PLUG, CONNECTOR 12P	
C1363	1-163-235-11	CERAMIC CHIP 22PF	5%	CN501	*1-580-798-11	CONNECTOR PIN (DY) 6P	
C1364	1-163-133-00	CERAMIC CHIP 470PF	5%	CN502	*1-573-964-11	PIN, CONNECTOR (PC BOARD) 6P	
C1365	1-163-227-11	CERAMIC CHIP 10PF	0.5PF	CN503	*1-573-964-11	PIN, CONNECTOR (PC BOARD) 6P	
C1366	1-124-477-11	ELECT 47MF	20%	CN504	*1-564-508-11	PLUG, CONNECTOR 5P	
C1367	1-124-477-11	ELECT 47MF	20%	CN505	*1-564-506-11	PLUG, CONNECTOR 3P	
C1369	1-163-237-11	CERAMIC CHIP 27PF	5%	CN506	*1-564-506-11	PLUG, CONNECTOR 3P	
C1370	1-163-237-11	CERAMIC CHIP 27PF	5%	CN507	*1-535-419-00	TAB, FASTEN (PCB)	
C1372	1-124-477-11	ELECT 47MF	20%	<COMPOSITION CIRCUIT BLOCK>			
C1373	1-124-477-11	ELECT 47MF	20%	CP300	1-236-366-11	MODULE, TRAP	
C1374	1-124-477-11	ELECT 47MF	20%	CP301	1-236-365-11	MODULE, TRAP	
C1375	1-124-927-11	ELECT 4.7MF	20%	CP302	1-808-654-21	MODULE	
C1378	1-163-097-00	CERAMIC CHIP 15PF	5%	CP303	1-466-162-61	FILTER BLOCK, COM (CFB-4)	
C1380	1-163-101-00	CERAMIC CHIP 22PF	5%	<DIODE>			
C1381	1-163-101-00	CERAMIC CHIP 22PF	5%	D101	8-719-800-76	DIODE 1SS226	
C1382	1-124-443-00	ELECT 100MF	20%				
C1383	1-124-477-11	ELECT 47MF	20%				
C1384	1-163-038-00	CERAMIC CHIP 0.1MF	50V				
C1385	1-163-031-11	CERAMIC CHIP 0.01MF	50V				
C1386	1-163-031-11	CERAMIC CHIP 0.01MF	50V				



— 97 —

**A (PVM-1351Q/1354Q)**

REF.NO. PART NO. DESCRIPTION

DL301 1-415-632-11 DELAY LINE, Y  
DL401 1-409-547-11 DELAY LINE

## &lt;FILTER&gt;

FL300 1-236-547-11 TRAP, LC  
FL401 1-236-364-11 FILTER, BAND PASS

## &lt;IC&gt;

IC101 8-759-196-71 IC UPD78013YCW-Y03  
IC102 8-759-168-37 IC ST24C01B1  
IC103 8-759-008-48 IC MC74HC86F  
IC104 8-759-262-59 IC UPD6451AGT-632-E2  
IC105 8-759-196-70 IC M62358FP-E1IC106 8-759-196-70 IC M62358FP-E1  
IC107 8-759-196-70 IC M62358FP-E1  
IC108 8-759-042-02 IC S-80743AL-A7-S  
IC109 8-759-196-70 IC M62358FP-E1  
IC110 8-759-196-70 IC M62358FP-E1IC111 8-759-009-22 IC MC14094BF  
IC200 8-759-420-04 IC AN5265  
IC301 8-752-053-21 IC CXA1211M  
IC302 8-759-998-98 IC LM358D  
IC303 8-752-056-67 IC CXA1214PIC304 8-759-509-19 IC XRU4053BF-E2  
IC305 8-759-631-08 IC M51279FP  
IC306 8-759-711-32 IC NJM2245M  
IC309 8-759-711-32 IC NJM2245M  
IC310 8-759-509-19 IC XRU4053BF-E2IC311 8-759-509-05 IC XRU4066BF  
IC312 8-759-711-32 IC NJM2245M  
IC313 8-759-501-21 IC MM1149XF  
IC314 8-759-501-21 IC MM1149XF  
IC315 8-759-509-19 IC XRU4053BF-E2IC316 8-759-048-09 IC MM1149XF  
IC317 8-759-009-51 IC MC14538BF  
IC318 8-759-509-57 IC XRU4584BF  
IC320 8-759-501-21 IC MM1149XF  
IC321 8-759-501-21 IC MM1149XFIC322 8-759-501-21 IC MM1149XF  
IC323 8-759-501-21 IC MM1149XF  
IC324 8-759-501-21 IC MM1149XF  
IC325 8-759-501-21 IC MM1149XF  
IC326 8-759-998-96 IC LM324DIC350 8-759-100-96 IC UPC4558G2  
IC401 8-759-196-69 IC BA7655AF-E2  
IC402 8-752-053-21 IC CXA1211M  
IC403 8-759-509-05 IC XRU4066BF  
IC404 8-752-052-62 IC CXA1478SIC405 8-759-509-19 IC XRU4053BF-E2  
IC406 8-759-998-98 IC LM358D  
IC407 8-759-509-05 IC XRU4066BF  
IC408 8-759-509-91 IC XRA10393F  
IC409 8-759-998-96 IC LM324DIC410 8-759-932-64 IC BU4052BF  
IC411 8-759-008-92 IC MC14024BF  
IC412 8-759-509-19 IC XRU4053BF-E2  
IC413 8-759-509-19 IC XRU4053BF-E2  
IC500 8-749-010-07 IC H8D7248IC502 8-759-009-51 IC MC14538BF  
IC503 8-759-009-51 IC MC14538BF  
IC504 8-752-053-21 IC CXA1211M  
IC505 8-759-520-07 IC XRA17812TLes composants identifiés par  
une trame et une marque  $\Delta$   
sont critiques pour la sécurité.  
Ne les remplacer que par une  
pièce portant le numéro spécifié.The components identified by  
shading and mark  $\Delta$  are criti-  
cal for safety.  
Replace only with part number  
specified.

REMARK

REF.NO. PART NO. DESCRIPTION

REMARK

IC506 8-759-009-51 IC MC14538BF  
IC507 8-759-100-60 IC UPC1377C  
IC508 8-752-053-21 IC CXA1211M  
IC509 8-759-998-98 IC LM358D  
IC510 8-759-009-51 IC MC14538BF

## &lt;COIL&gt;

L101 1-408-609-41 INDUCTOR 33UH  
L102 1-408-417-00 INDUCTOR 47UH  
L104 1-410-478-11 INDUCTOR 47UH  
L105 1-410-482-31 INDUCTOR 100UH  
L300 1-410-478-11 INDUCTOR 47UHL301 1-408-411-00 INDUCTOR 15UH  
L302 1-412-008-31 INDUCTOR CHIP 15UH  
L303 1-408-416-00 INDUCTOR 39UH  
L304 1-412-008-31 INDUCTOR CHIP 15UH  
L305 1-410-196-11 INDUCTOR CHIP 2.2UHL306 1-408-416-00 INDUCTOR 39UH  
L307 1-408-411-00 INDUCTOR 15UH  
L308 1-410-466-41 INDUCTOR 4.7UH  
L309 1-410-470-11 INDUCTOR 10UH  
L311 1-410-470-11 INDUCTOR 10UHL312 1-412-011-31 INDUCTOR CHIP 27UH  
L314 1-412-011-31 INDUCTOR CHIP 27UH  
L316 1-412-011-31 INDUCTOR CHIP 27UH  
L317 1-410-090-41 INDUCTOR 18MMH  
L319 1-408-421-00 INDUCTOR 100UHL320 1-410-478-11 INDUCTOR 47UH  
L401 1-410-478-11 INDUCTOR 47UH  
L402 1-410-216-31 INDUCTOR CHIP 100UH  
L403 1-410-216-31 INDUCTOR CHIP 100UH  
L404 1-410-216-31 INDUCTOR CHIP 100UHL405 1-408-419-00 INDUCTOR 68UH  
L406 1-408-419-00 INDUCTOR 68UH  
L407 1-408-413-00 INDUCTOR 22UH  
L408 1-408-413-00 INDUCTOR 22UH  
L409 1-410-214-31 INDUCTOR CHIP 68UHL500 1-459-155-00 COIL (WITH CORE) 45UH  
L501 1-407-365-00 COIL, CHOKE  
L502 1-407-365-00 COIL, CHOKE  
L503 1-410-093-11 INDUCTOR 33MMH  
L504 1-410-666-31 INDUCTOR 18UHL505 1-410-671-31 INDUCTOR 47UH  
L507 1-410-686-11 INDUCTOR 1MMH  
L508 1-412-530-31 INDUCTOR 27UH  
L509 1-459-075-00 COIL, DYNAMIC CONVERSION CHOKE  
L511 1-459-106-00 COIL, DUST COREL512  $\Delta$  1-459-155-00 COIL (WITH CORE) 45UH  
L513 1-412-447-11 INDUCTOR 3.9MMH  
L514 1-459-104-00 COIL, DUST CORE  
L515 1-459-059-00 COIL, DUST CORE  
L516  $\Delta$  1-459-760-13 COIL, HORIZONTAL LINEARITY

L517 1-412-547-21 INDUCTOR 680UH

## &lt;NEON LAMP&gt;

NL500 1-519-526-11 LAMP, NEON

## &lt;TRANSISTOR&gt;

Q101 8-729-901-01 TRANSISTOR DTC144EK  
Q102 8-729-216-22 TRANSISTOR 2SA1162-G

**A (PVM-1351Q/1354Q)**

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
Q103	8-729-216-22	TRANSISTOR 2SA1162-G		Q354	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q104	8-729-907-26	TRANSISTOR 1MX1		Q355	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q105	8-729-901-06	TRANSISTOR DTA144EK		Q356	8-729-901-01	TRANSISTOR DTC144EK	
Q107	8-729-901-06	TRANSISTOR DTA144EK		Q357	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q108	8-729-120-28	TRANSISTOR 2SC1623-L5L6		Q358	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q109	8-729-120-28	TRANSISTOR 2SC1623-L5L6		Q359	8-729-216-22	TRANSISTOR 2SA1162-G	
Q110	8-729-120-28	TRANSISTOR 2SC1623-L5L6		Q360	8-729-907-26	TRANSISTOR 1MX1	
Q111	8-729-901-06	TRANSISTOR DTA144EK		Q361	8-729-901-06	TRANSISTOR DTA144EK	
Q112	8-729-120-28	TRANSISTOR 2SC1623-L5L6		Q362	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q113	8-729-120-28	TRANSISTOR 2SC1623-L5L6		Q363	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q114	8-729-119-78	TRANSISTOR 2SC2785-HFE		Q364	8-729-901-01	TRANSISTOR DTC144EK	
Q200	8-729-140-96	TRANSISTOR 2SD774-34		Q365	8-729-901-01	TRANSISTOR DTC144EK	
Q201	8-729-120-28	TRANSISTOR 2SC1623-L5L6		Q366	8-729-216-22	TRANSISTOR 2SA1162-G	
Q300	8-729-120-28	TRANSISTOR 2SC1623-L5L6		Q367	8-729-216-22	TRANSISTOR 2SA1162-G	
Q301	8-729-120-28	TRANSISTOR 2SC1623-L5L6		Q368	8-729-216-22	TRANSISTOR 2SA1162-G	
Q302	8-729-216-22	TRANSISTOR 2SA1162-G		Q369	8-729-901-06	TRANSISTOR DTA144EK	
Q303	8-729-120-28	TRANSISTOR 2SC1623-L5L6		Q372	8-729-901-01	TRANSISTOR DTC144EK	
Q304	8-729-120-28	TRANSISTOR 2SC1623-L5L6		Q376	8-729-901-01	TRANSISTOR DTC144EK	
Q305	8-729-120-28	TRANSISTOR 2SC1623-L5L6		Q377	8-729-901-01	TRANSISTOR DTC144EK	
Q306	8-729-120-28	TRANSISTOR 2SC1623-L5L6		Q378	8-729-901-06	TRANSISTOR DTA144EK	
Q307	8-729-120-28	TRANSISTOR 2SC1623-L5L6		Q401	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q308	8-729-120-28	TRANSISTOR 2SC1623-L5L6		Q402	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q309	8-729-216-22	TRANSISTOR 2SA1162-G		Q403	8-729-901-01	TRANSISTOR DTC144EK	
Q310	8-729-216-22	TRANSISTOR 2SA1162-G		Q404	8-729-216-22	TRANSISTOR 2SA1162-G	
Q311	8-729-216-22	TRANSISTOR 2SA1162-G		Q405	8-729-216-22	TRANSISTOR 2SA1162-G	
Q312	8-729-120-28	TRANSISTOR 2SC1623-L5L6		Q406	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q313	8-729-216-22	TRANSISTOR 2SA1162-G		Q407	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q314	8-729-901-06	TRANSISTOR DTA144EK		Q408	8-729-216-22	TRANSISTOR 2SA1162-G	
Q315	8-729-216-22	TRANSISTOR 2SA1162-G		Q409	8-729-216-22	TRANSISTOR 2SA1162-G	
Q316	8-729-120-28	TRANSISTOR 2SC1623-L5L6		Q410	8-729-907-26	TRANSISTOR 1MX1	
Q318	8-729-216-22	TRANSISTOR 2SA1162-G		Q411	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q319	8-729-120-28	TRANSISTOR 2SC1623-L5L6		Q412	8-729-216-22	TRANSISTOR 2SA1162-G	
Q320	8-729-119-78	TRANSISTOR 2SC2785-HFE		Q413	8-729-141-53	TRANSISTOR 2SK94-X2X3X4	
Q321	8-729-120-28	TRANSISTOR 2SC1623-L5L6		Q414	8-729-216-22	TRANSISTOR 2SA1162-G	
Q322	8-729-120-28	TRANSISTOR 2SC1623-L5L6		Q415	8-729-216-22	TRANSISTOR 2SA1162-G	
Q323	8-729-901-01	TRANSISTOR DTC144EK		Q416	8-729-216-22	TRANSISTOR 2SA1162-G	
Q324	8-729-901-01	TRANSISTOR DTC144EK		Q417	8-729-216-22	TRANSISTOR 2SA1162-G	
Q325	8-729-120-28	TRANSISTOR 2SC1623-L5L6		Q418	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q326	8-729-120-28	TRANSISTOR 2SC1623-L5L6		Q419	8-729-216-22	TRANSISTOR 2SA1162-G	
Q327	8-729-216-22	TRANSISTOR 2SA1162-G		Q420	8-729-216-22	TRANSISTOR 2SA1162-G	
Q328	8-729-141-53	TRANSISTOR 2SK94-X2X3X4		Q421	8-729-901-01	TRANSISTOR DTC144EK	
Q329	8-729-141-53	TRANSISTOR 2SK94-X2X3X4		Q422	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q330	8-729-216-22	TRANSISTOR 2SA1162-G		Q423	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q331	8-729-216-22	TRANSISTOR 2SA1162-G		Q424	8-729-901-01	TRANSISTOR DTC144EK	
Q332	8-729-901-01	TRANSISTOR DTC144EK		Q425	8-729-901-01	TRANSISTOR DTC144EK	
Q333	8-729-120-28	TRANSISTOR 2SC1623-L5L6		Q426	8-729-901-01	TRANSISTOR DTC144EK	
Q334	8-729-216-22	TRANSISTOR 2SA1162-G		Q428	8-729-216-22	TRANSISTOR 2SA1162-G	
Q335	8-729-120-28	TRANSISTOR 2SC1623-L5L6		Q429	8-729-216-22	TRANSISTOR 2SA1162-G	
Q336	8-729-109-44	TRANSISTOR 2SK94-X4		Q430	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q337	8-729-120-28	TRANSISTOR 2SC1623-L5L6		Q431	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q338	8-729-120-28	TRANSISTOR 2SC1623-L5L6		Q432	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q339	8-729-216-22	TRANSISTOR 2SA1162-G		Q433	8-729-901-01	TRANSISTOR DTC144EK	
Q341	8-729-920-39	TRANSISTOR 1MT1US		Q434	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q342	8-729-920-39	TRANSISTOR 1MT1US		Q435	8-729-901-01	TRANSISTOR DTC144EK	
Q343	8-729-920-39	TRANSISTOR 1MT1US		Q436	8-729-901-01	TRANSISTOR DTC144EK	
Q345	8-729-120-28	TRANSISTOR 2SC1623-L5L6		Q437	8-729-901-01	TRANSISTOR DTC144EK	
Q346	8-729-120-28	TRANSISTOR 2SC1623-L5L6		Q438	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q347	8-729-901-01	TRANSISTOR DTC144EK		Q439	8-729-216-22	TRANSISTOR 2SA1162-G	
Q348	8-729-216-22	TRANSISTOR 2SA1162-G		Q440	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q349	8-729-216-22	TRANSISTOR 2SA1162-G		Q441	8-729-141-53	TRANSISTOR 2SK94-X2X3X4	
Q350	8-729-216-22	TRANSISTOR 2SA1162-G		Q442	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q351	8-729-120-28	TRANSISTOR 2SC1623-L5L6		Q443	8-729-216-22	TRANSISTOR 2SA1162-G	
Q352	8-729-120-28	TRANSISTOR 2SC1623-L5L6		Q444	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q353	8-729-120-28	TRANSISTOR 2SC1623-L5L6					

**A (PVM-1351Q/1354Q)**

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
Q445	8-729-901-01	TRANSISTOR DTC144EK		R134	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
Q500	8-729-216-22	TRANSISTOR 2SA1162-G		R135	1-216-085-00	METAL GLAZE 33K 5%	1/10W
Q501	8-729-800-35	TRANSISTOR 2SD1397-CA		R136	1-216-295-00	METAL GLAZE 0 5%	1/10W
Q502	8-729-119-80	TRANSISTOR 2SC2688-LK		R137	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
Q503	8-729-313-42	TRANSISTOR 2SD1134-C					
Q505	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R138	1-216-295-00	METAL GLAZE 0 5%	1/10W
Q506	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R139	1-216-295-00	METAL GLAZE 0 5%	1/10W
Q507	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R140	1-216-033-00	METAL GLAZE 220 5%	1/10W
Q508	8-729-216-22	TRANSISTOR 2SA1162-G		R141	1-216-085-00	METAL GLAZE 33K 5%	1/10W
Q509	8-729-901-06	TRANSISTOR DTA144EK		R142	1-216-295-00	METAL GLAZE 0 5%	1/10W
Q510	8-729-900-89	TRANSISTOR DTC144ES					
Q511	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R143	1-216-295-00	METAL GLAZE 0 5%	1/10W
Q512	8-729-195-82	TRANSISTOR 2SC2958-L		R144	1-216-295-00	METAL GLAZE 0 5%	1/10W
Q513	8-729-122-03	TRANSISTOR 2SA1220A-P		R145	1-216-295-00	METAL GLAZE 0 5%	1/10W
Q514	8-729-901-00	TRANSISTOR DTC124EK		R147	1-216-295-00	METAL GLAZE 0 5%	1/10W
Q515	8-729-169-02	TRANSISTOR 2SC2690A-Q		R148	1-216-295-00	METAL GLAZE 0 5%	1/10W
Q517	8-729-901-06	TRANSISTOR DTA144EK					
Q518	8-729-901-01	TRANSISTOR DTC144EK		R149	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
Q519	8-729-901-01	TRANSISTOR DTC144EK		R150	1-216-295-00	METAL GLAZE 0 5%	1/10W
Q520	8-729-905-67	TRANSISTOR 2SD1944-K		R151	1-216-061-00	METAL GLAZE 3.3K 5%	1/10W
Q522	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R152	1-216-295-00	METAL GLAZE 0 5%	1/10W
Q523	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R153	1-216-295-00	METAL GLAZE 0 5%	1/10W
Q524	8-729-119-78	TRANSISTOR 2SC2785-HFE					
Q525	8-729-119-76	TRANSISTOR 2SA1175-HFE		R154	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
Q526	8-729-216-22	TRANSISTOR 2SA1162-G		R155	1-249-434-11	CARBON 27K 5%	1/4W
Q527	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R156	1-216-295-00	METAL GLAZE 0 5%	1/10W
<RESISTOR>				R157	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
JR122	1-216-295-00	METAL GLAZE 0 5%	1/10W	R158	1-216-295-00	METAL GLAZE 0 5%	1/10W
JR123	1-216-295-00	METAL GLAZE 0 5%	1/10W				
JR302	1-216-295-00	METAL GLAZE 0 5%	1/10W	R159	1-216-063-00	METAL GLAZE 3.9K 5%	1/10W
R101	1-216-025-00	METAL GLAZE 100 5%	1/10W	R160	1-216-061-00	METAL GLAZE 3.3K 5%	1/10W
R102	1-216-025-00	METAL GLAZE 100 5%	1/10W	R162	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
				R163	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R103	1-216-025-00	METAL GLAZE 100 5%	1/10W	R164	1-216-067-00	METAL GLAZE 5.6K 5%	1/10W
R104	1-216-073-00	METAL GLAZE 10K 5%	1/10W				
R105	1-216-059-00	METAL GLAZE 2.7K 5%	1/10W	R165	1-216-295-00	METAL GLAZE 0 5%	1/10W
R106	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W	R167	1-216-061-00	METAL GLAZE 3.3K 5%	1/10W
R107	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W	R168	1-216-085-00	METAL GLAZE 33K 5%	1/10W
				R169	1-216-107-00	METAL GLAZE 270K 5%	1/10W
R108	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W	R170	1-216-295-00	METAL GLAZE 0 5%	1/10W
R109	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W				
R110	1-216-073-00	METAL GLAZE 10K 5%	1/10W	R171	1-216-031-00	METAL GLAZE 180 5%	1/10W
R111	1-216-295-00	METAL GLAZE 0 5%	1/10W	R172	1-216-295-00	METAL GLAZE 0 5%	1/10W
R112	1-216-295-00	METAL GLAZE 0 5%	1/10W	R173	1-216-295-00	METAL GLAZE 0 5%	1/10W
				R174	1-216-295-00	METAL GLAZE 0 5%	1/10W
R113	1-216-085-00	METAL GLAZE 33K 5%	1/10W	R175	1-216-295-00	METAL GLAZE 0 5%	1/10W
R114	1-216-295-00	METAL GLAZE 0 5%	1/10W				
R115	1-216-295-00	METAL GLAZE 0 5%	1/10W	R177	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
R116	1-218-761-11	METAL CHIP 240K 0.50%	1/10W	R180	1-216-295-00	METAL GLAZE 0 5%	1/10W
R117	1-216-089-91	METAL GLAZE 47K 5%	1/10W	R181	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W
				R183	1-216-295-00	METAL GLAZE 0 5%	1/10W
R118	1-216-295-00	METAL GLAZE 0 5%	1/10W	R184	1-216-295-00	METAL GLAZE 0 5%	1/10W
R119	1-216-689-11	METAL GLAZE 39K 5%	1/10W				
R120	1-216-295-00	METAL GLAZE 0 5%	1/10W	R185	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R121	1-216-295-00	METAL GLAZE 0 5%	1/10W	R186	1-216-295-00	METAL GLAZE 0 5%	1/10W
R122	1-216-295-00	METAL GLAZE 0 5%	1/10W	R187	1-216-061-00	METAL GLAZE 3.3K 5%	1/10W
				R188	1-216-295-00	METAL GLAZE 0 5%	1/10W
R123	1-216-295-00	METAL GLAZE 0 5%	1/10W	R189	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R124	1-216-295-00	METAL GLAZE 0 5%	1/10W				
R125	1-216-295-00	METAL GLAZE 0 5%	1/10W	R190	1-216-049-00	METAL GLAZE 1K 5%	1/10W
R126	1-216-295-00	METAL GLAZE 0 5%	1/10W	R192	1-216-073-00	METAL GLAZE 10K 5%	1/10W
R127	1-216-295-00	METAL GLAZE 0 5%	1/10W	R193	1-216-295-00	METAL GLAZE 0 5%	1/10W
				R194	1-216-295-00	METAL GLAZE 0 5%	1/10W
R128	1-216-295-00	METAL GLAZE 0 5%	1/10W	R195	1-216-071-00	METAL GLAZE 8.2K 5%	1/10W
R129	1-216-295-00	METAL GLAZE 0 5%	1/10W				
R130	1-216-099-00	METAL GLAZE 120K 5%	1/10W	R197	1-216-061-00	METAL GLAZE 3.3K 5%	1/10W
R131	1-216-295-00	METAL GLAZE 0 5%	1/10W	R198	1-216-295-00	METAL GLAZE 0 5%	1/10W
R132	1-216-065-00	METAL GLAZE 4.7K 5%	1/10W	R199	1-216-295-00	METAL GLAZE 0 5%	1/10W
				R200	1-216-684-11	METAL CHIP 24K 0.50%	1/10W
R133	1-216-091-00	METAL GLAZE 56K 5%	1/10W	R201	1-216-049-00	METAL GLAZE 1K 5%	1/10W
				R202	1-212-857-00	FUSIBLE 10 5%	1/4W F
				R203	1-260-095-11	CARBON 470 5%	1/2W
				R204	1-260-072-11	CARBON 4.7 5%	1/2W
				R205	1-216-647-11	METAL CHIP 680 0.50%	1/10W
				R206	1-216-073-00	METAL GLAZE 10K 5%	1/10W

## A (PVM-1351Q/1354Q)

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R207	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R363	1-216-113-00	METAL GLAZE	470K 5% 1/10W
R208	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R364	1-216-113-00	METAL GLAZE	470K 5% 1/10W
R209	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R366	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R210	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W	R367	1-216-051-00	METAL GLAZE	1.2K 5% 1/10W
R211	1-249-393-11	CARBON	10 5% 1/4W F	R368	1-216-049-00	METAL GLAZE	1K 5% 1/10W
R237	1-216-089-91	METAL GLAZE	47K 5% 1/10W	R371	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W
R301	1-216-025-00	METAL GLAZE	100 5% 1/10W	R372	1-216-053-00	METAL GLAZE	1.5K 5% 1/10W
R302	1-216-025-00	METAL GLAZE	100 5% 1/10W	R373	1-216-645-11	METAL CHIP	560 0.50% 1/10W
R303	1-216-025-00	METAL GLAZE	100 5% 1/10W	R374	1-216-647-11	METAL CHIP	680 0.50% 1/10W
R304	1-216-025-00	METAL GLAZE	100 5% 1/10W	R375	1-216-053-00	METAL GLAZE	1.5K 5% 1/10W
R305	1-216-295-00	METAL GLAZE	0 5% 1/10W	R376	1-216-111-00	METAL GLAZE	390K 5% 1/10W
R306	1-216-295-00	METAL GLAZE	0 5% 1/10W	R378	1-216-111-00	METAL GLAZE	390K 5% 1/10W
R307	1-216-115-00	METAL GLAZE	560K 5% 1/10W	R379	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W
R308	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R380	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R311	1-216-055-00	METAL GLAZE	1.8K 5% 1/10W	R381	1-216-689-11	METAL GLAZE	39K 5% 1/10W
R312	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R382	1-216-107-00	METAL GLAZE	270K 5% 1/10W
R313	1-216-649-11	METAL CHIP	820 0.50% 1/10W	R383	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W
R314	1-216-099-00	METAL GLAZE	120K 5% 1/10W	R384	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R315	1-216-099-00	METAL GLAZE	120K 5% 1/10W	R385	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R316	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R387	1-216-029-00	METAL GLAZE	150 5% 1/10W
R317	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W	R388	1-216-033-00	METAL GLAZE	220 5% 1/10W
R318	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R389	1-216-645-11	METAL CHIP	560 0.50% 1/10W
R319	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W	R391	1-216-113-00	METAL GLAZE	470K 5% 1/10W
R320	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W	R393	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R321	1-216-051-00	METAL GLAZE	1.2K 5% 1/10W	R394	1-216-083-00	METAL GLAZE	27K 5% 1/10W
R322	1-216-035-00	METAL GLAZE	270 5% 1/10W	R395	1-216-647-11	METAL CHIP	680 0.50% 1/10W
R323	1-216-109-00	METAL GLAZE	330K 5% 1/10W	R396	1-216-113-00	METAL GLAZE	470K 5% 1/10W
R324	1-216-101-00	METAL GLAZE	150K 5% 1/10W	R397	1-216-113-00	METAL GLAZE	470K 5% 1/10W
R325	1-216-037-00	METAL GLAZE	330 5% 1/10W	R398	1-216-105-00	METAL GLAZE	220K 5% 1/10W
R326	1-216-033-00	METAL GLAZE	220 5% 1/10W	R399	1-216-111-00	METAL GLAZE	390K 5% 1/10W
R328	1-216-121-00	METAL GLAZE	1M 5% 1/10W	R401	1-216-053-00	METAL GLAZE	1.5K 5% 1/10W
R329	1-216-055-00	METAL GLAZE	1.8K 5% 1/10W	R402	1-216-053-00	METAL GLAZE	1.5K 5% 1/10W
R330	1-216-089-91	METAL GLAZE	47K 5% 1/10W	R403	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W
R331	1-216-093-00	METAL GLAZE	68K 5% 1/10W	R404	1-216-029-00	METAL GLAZE	150 5% 1/10W
R332	1-216-097-00	METAL GLAZE	100K 5% 1/10W	R406	1-216-083-00	METAL GLAZE	27K 5% 1/10W
R333	1-216-097-00	METAL GLAZE	100K 5% 1/10W	R407	1-216-085-00	METAL GLAZE	33K 5% 1/10W
R334	1-216-093-00	METAL GLAZE	68K 5% 1/10W	R408	1-216-689-11	METAL CHIP	39K 0.50% 1/10W
R335	1-216-083-00	METAL GLAZE	27K 5% 1/10W	R410	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W
R336	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R411	1-216-033-00	METAL GLAZE	220 5% 1/10W
R337	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R412	1-216-089-91	METAL GLAZE	47K 5% 1/10W
R338	1-216-091-00	METAL GLAZE	56K 5% 1/10W	R413	1-216-668-11	METAL CHIP	5.1K 0.50% 1/10W
R339	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W	R416	1-216-113-00	METAL GLAZE	470K 5% 1/10W
R340	1-216-089-91	METAL GLAZE	47K 5% 1/10W	R417	1-216-665-11	METAL CHIP	3.9K 0.50% 1/10W
R341	1-216-673-11	METAL CHIP	8.2K 0.50% 1/10W	R418	1-216-667-11	METAL CHIP	4.7K 0.50% 1/10W
R342	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R419	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R343	1-216-095-00	METAL GLAZE	82K 5% 1/10W	R420	1-216-689-11	METAL GLAZE	39K 5% 1/10W
R344	1-216-099-00	METAL GLAZE	120K 5% 1/10W	R422	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R345	1-216-063-00	METAL GLAZE	3.9K 5% 1/10W	R423	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R346	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W	R424	1-216-033-00	METAL GLAZE	220 5% 1/10W
R347	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R425	1-216-049-00	METAL GLAZE	1K 5% 1/10W
R348	1-216-031-00	METAL GLAZE	180 5% 1/10W	R426	1-216-039-00	METAL GLAZE	390 5% 1/10W
R349	1-216-694-11	METAL CHIP	62K 0.50% 1/10W	R427	1-216-033-00	METAL GLAZE	220 5% 1/10W
R350	1-216-085-00	METAL GLAZE	33K 5% 1/10W	R428	1-216-097-00	METAL GLAZE	100K 5% 1/10W
R351	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W	R429	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R352	1-216-675-11	METAL CHIP	10K 0.50% 1/10W	R430	1-216-119-00	METAL GLAZE	820K 5% 1/10W
R353	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R431	1-216-097-00	METAL GLAZE	100K 5% 1/10W
R355	1-216-059-00	METAL GLAZE	2.7K 5% 1/10W	R432	1-216-089-91	METAL GLAZE	47K 5% 1/10W
R356	1-216-689-11	METAL GLAZE	39K 5% 1/10W	R434	1-216-109-00	METAL GLAZE	330K 5% 1/10W
R357	1-216-121-00	METAL GLAZE	1M 5% 1/10W	R435	1-216-105-00	METAL GLAZE	220K 5% 1/10W
R358	1-216-053-00	METAL GLAZE	1.5K 5% 1/10W	R436	1-216-113-00	METAL GLAZE	470K 5% 1/10W
R359	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R437	1-216-097-00	METAL GLAZE	100K 5% 1/10W
R360	1-216-039-00	METAL GLAZE	390 5% 1/10W	R438	1-216-053-00	METAL GLAZE	1.5K 5% 1/10W
R361	1-216-025-00	METAL GLAZE	100 5% 1/10W	R439	1-216-033-00	METAL GLAZE	220 5% 1/10W
R362	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W				

**A (PVM-1351Q/1354Q)**

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R440	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R507	1-216-083-00	METAL GLAZE	27K 5% 1/10W
R441	1-216-645-11	METAL CHIP	560 0.50% 1/10W	R508	1-216-105-00	METAL GLAZE	220K 5% 1/10W
R442	1-216-647-11	METAL CHIP	680 0.50% 1/10W	R509	1-216-089-91	METAL GLAZE	47K 5% 1/10W
R443	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R510	1-216-097-00	METAL GLAZE	100K 5% 1/10W
R444	1-216-105-00	METAL GLAZE	220K 5% 1/10W	R511	1-216-099-00	METAL GLAZE	120K 5% 1/10W
R445	1-216-095-00	METAL GLAZE	82K 5% 1/10W	R512	1-216-055-00	METAL GLAZE	1.8K 5% 1/10W
R447	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W	R513	1-216-295-00	METAL GLAZE	0 5% 1/10W
R448	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R514	1-216-295-00	METAL GLAZE	0 5% 1/10W
R449	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R515	1-216-675-11	METAL CHIP	10K 0.50% 1/10W
R450	1-216-121-00	METAL GLAZE	1M 5% 1/10W	R516	1-216-697-11	METAL CHIP	82K 0.50% 1/10W
R451	1-216-037-00	METAL GLAZE	330 5% 1/10W	R517	1-214-888-00	METAL	10K 1% 1/2W
R452	1-216-651-11	METAL CHIP	1K 0.50% 1/10W	R518	1-260-123-11	CARBON	100K 5% 1/2W
R453	1-216-097-00	METAL GLAZE	100K 5% 1/10W	R519	1-216-017-00	METAL GLAZE	47 5% 1/10W
R455	1-216-085-00	METAL GLAZE	33K 5% 1/10W	R520	1-249-423-11	CARBON	3.3K 5% 1/4W F
R456	1-216-053-00	METAL GLAZE	1.5K 5% 1/10W	R521	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R457	1-216-025-00	METAL GLAZE	100 5% 1/10W	R522	1-260-111-11	CARBON	10K 5% 1/2W
R458	1-216-113-00	METAL GLAZE	470K 5% 1/10W	R523	1-215-892-11	METAL OXIDE	1K 5% 2W F
R459	1-216-649-11	METAL CHIP	820 0.50% 1/10W	R524	1-216-093-00	METAL GLAZE	68K 5% 1/10W
R460	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R525	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W
R462	1-216-651-11	METAL CHIP	1K 0.50% 1/10W	R526	1-216-089-91	METAL GLAZE	47K 5% 1/10W
R463	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R527	1-216-089-91	METAL GLAZE	47K 5% 1/10W
R464	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R528	1-216-089-91	METAL GLAZE	47K 5% 1/10W
R465	1-216-025-00	METAL GLAZE	100 5% 1/10W	R529	1-216-089-91	METAL GLAZE	47K 5% 1/10W
R466	1-216-077-00	METAL GLAZE	15K 5% 1/10W	R530	1-216-367-11	METAL OXIDE	0.68 5% 2W F
R467	1-216-121-00	METAL GLAZE	1M 5% 1/10W	R531	1-216-077-00	METAL GLAZE	15K 5% 1/10W
R468	1-216-105-00	METAL GLAZE	220K 5% 1/10W	R532	1-215-919-71	METAL OXIDE	2.2K 5% 3W F
R469	1-216-063-00	METAL GLAZE	3.9K 5% 1/10W	R533	1-247-723-11	CARBON	6.8K 5% 1/4W F
R470	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W	R534	1-216-085-00	METAL GLAZE	33K 5% 1/10W
R471	1-216-109-00	METAL GLAZE	330K 5% 1/10W	R535	1-249-448-11	CARBON	1.2 5% 1/4W F
R472	1-216-077-00	METAL GLAZE	15K 5% 1/10W	R536	1-216-101-00	METAL GLAZE	150K 5% 1/10W
R473	1-216-121-00	METAL GLAZE	1M 5% 1/10W	R537	1-216-089-91	METAL GLAZE	47K 5% 1/10W
R474	1-216-649-11	METAL CHIP	820 0.50% 1/10W	R539	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R475	1-216-025-00	METAL GLAZE	100 5% 1/10W	R540	1-216-113-00	METAL GLAZE	470K 5% 1/10W
R476	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W	R541	1-249-383-11	CARBON	1.5 5% 1/4W F
R477	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W	R542	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W
R478	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R543	1-212-883-00	FUSIBLE	120 5% 1/4W F
R479	1-216-085-00	METAL GLAZE	33K 5% 1/10W	R544	1-216-095-00	METAL GLAZE	82K 5% 1/10W
R480	1-216-077-00	METAL GLAZE	15K 5% 1/10W	R545	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R481	1-216-033-00	METAL GLAZE	220 5% 1/10W	R546	1-249-425-11	CARBON	4.7K 5% 1/4W F
R482	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W	R548	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W
R483	1-216-025-00	METAL GLAZE	100 5% 1/10W	R549	1-216-677-11	METAL CHIP	12K 0.50% 1/10W
R484	1-216-651-11	METAL CHIP	1K 0.50% 1/10W	R550	1-216-053-00	METAL GLAZE	1.5K 5% 1/10W
R485	1-216-033-00	METAL GLAZE	220 5% 1/10W	R551	1-216-077-00	METAL GLAZE	15K 5% 1/10W
R486	1-216-681-11	METAL CHIP	18K 0.50% 1/10W	R552	1-216-033-00	METAL GLAZE	220 5% 1/10W
R487	1-216-653-11	METAL CHIP	1.2K 0.50% 1/10W	R553	1-216-083-00	METAL GLAZE	27K 5% 1/10W
R488	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R554	1-216-095-00	METAL GLAZE	82K 5% 1/10W
R489	1-216-077-00	METAL GLAZE	15K 5% 1/10W	R555	1-216-692-11	METAL CHIP	51K 0.50% 1/10W
R490	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W	R556	1-216-464-11	METAL OXIDE	18K 5% 2W F
R491	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W	R558	1-247-711-11	CARBON	680 5% 1/4W F
R492	1-216-085-00	METAL GLAZE	33K 5% 1/10W	R559	1-216-109-00	METAL GLAZE	330K 5% 1/10W
R493	1-216-295-00	METAL GLAZE	0 5% 1/10W	R560	1-216-091-00	METAL GLAZE	56K 5% 1/10W
R494	1-216-085-00	METAL GLAZE	33K 5% 1/10W	R561	1-216-049-00	METAL GLAZE	1K 5% 1/10W
R495	1-216-651-11	METAL CHIP	1K 0.50% 1/10W	R563	1-216-017-00	METAL GLAZE	47 5% 1/10W
R496	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R564	1-216-107-00	METAL GLAZE	270K 5% 1/10W
R497	1-216-653-11	METAL CHIP	1.2K 0.50% 1/10W	R565	1-216-033-00	METAL GLAZE	220 5% 1/10W
R498	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W	R566	1-216-685-11	METAL CHIP	27K 0.50% 1/10W
R499	1-216-033-00	METAL GLAZE	220 5% 1/10W	R567	1-216-081-00	METAL GLAZE	22K 5% 1/10W
R500	1-216-689-11	METAL GLAZE	39K 5% 1/10W	R568	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R501	1-216-077-00	METAL GLAZE	15K 5% 1/10W	R569	1-260-114-11	CARBON	18K 5% 1/2W
R502	1-216-677-11	METAL CHIP	12K 0.50% 1/10W	R571	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R503	1-216-677-11	METAL CHIP	12K 0.50% 1/10W	R572	1-216-059-00	METAL GLAZE	2.7K 5% 1/10W
R504	1-216-111-00	METAL GLAZE	390K 5% 1/10W	R573	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W
R505	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W	R574	1-216-689-11	METAL GLAZE	39K 5% 1/10W
R506	1-216-073-00	METAL GLAZE	10K 5% 1/10W				



## A (PVM-1351Q/1354Q)

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
R576	1-216-101-00	METAL GLAZE	150K 5% 1/10W	R1146	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W
R578	1-216-693-11	METAL CHIP	56K 0.50% 1/10W	R1147	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W
R580	1-216-105-00	METAL GLAZE	220K 5% 1/10W	R1148	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R582	1-216-085-00	METAL GLAZE	33K 5% 1/10W	R1150	1-216-037-00	METAL GLAZE	330 5% 1/10W
R583	1-216-039-00	METAL GLAZE	390 5% 1/10W	R1151	1-216-081-00	METAL GLAZE	22K 5% 1/10W
R584	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W	R1155	1-216-133-00	METAL GLAZE	3.3M 5% 1/10W
R585	1-216-033-00	METAL GLAZE	220 5% 1/10W	R1161	1-218-776-11	METAL CHIP	1M 0.50% 1/10W
R586	1-216-686-11	METAL CHIP	30K 0.50% 1/10W	R1162	1-218-768-11	METAL CHIP	470K 0.50% 1/10W
R587	1-216-675-11	METAL CHIP	10K 0.50% 1/10W	R1163	1-216-033-00	METAL GLAZE	220 5% 1/10W
R588	1-216-077-00	METAL GLAZE	15K 5% 1/10W	R1164	1-216-049-00	METAL GLAZE	1K 5% 1/10W
R589	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W	R1165	1-216-049-00	METAL GLAZE	1K 5% 1/10W
R590	1-216-081-00	METAL GLAZE	22K 5% 1/10W	R1166	1-216-295-00	METAL GLAZE	0 5% 1/10W
R591	1-216-683-11	METAL CHIP	22K 0.50% 1/10W	R1167	1-216-097-00	METAL GLAZE	100K 5% 1/10W
R592	1-247-688-11	CARBON	10 5% 1/4W F	R1168	1-216-097-00	METAL GLAZE	100K 5% 1/10W
R593	1-216-647-11	METAL CHIP	680 0.50% 1/10W	R1169	1-216-097-00	METAL GLAZE	100K 5% 1/10W
R594	1-260-104-91	CARBON	2.7K 5% 1/2W	R1170	1-216-089-91	METAL GLAZE	47K 5% 1/10W
R595	1-216-689-11	METAL GLAZE	39K 5% 1/10W	R1171	1-216-085-00	METAL GLAZE	33K 5% 1/10W
R596	1-214-754-00	METAL	11K 1% 1/4W	R1172	1-216-085-00	METAL GLAZE	33K 5% 1/10W
R597	1-249-417-11	CARBON	1K 5% 1/4W F	R1173	1-216-295-00	METAL GLAZE	0 5% 1/10W
R598	1-216-085-00	METAL GLAZE	33K 5% 1/10W	R1176	1-216-295-00	METAL GLAZE	0 5% 1/10W
R599	1-216-645-11	METAL CHIP	560 0.50% 1/10W	R1177	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W
R1101	1-216-295-00	METAL GLAZE	0 5% 1/10W	R1178	1-216-295-00	METAL GLAZE	0 5% 1/10W
R1102	1-216-295-00	METAL GLAZE	0 5% 1/10W	R1179	1-216-041-00	METAL GLAZE	470 5% 1/10W
R1103	1-216-077-00	METAL GLAZE	15K 5% 1/10W	R1180	1-216-089-91	METAL GLAZE	47K 5% 1/10W
R1104	1-216-699-11	METAL CHIP	100K 0.50% 1/10W	R1181	1-216-295-00	METAL GLAZE	0 5% 1/10W
R1105	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R1182	1-216-131-11	METAL GLAZE	2.7M 5% 1/10W
R1106	1-216-097-00	METAL GLAZE	100K 5% 1/10W	R1183	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W
R1107	1-216-059-00	METAL GLAZE	2.7K 5% 1/10W	R1184	1-216-131-11	METAL GLAZE	2.7M 5% 1/10W
R1108	1-216-681-11	METAL CHIP	18K 0.50% 1/10W	R1185	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W
R1109	1-216-295-00	METAL GLAZE	0 5% 1/10W	R1186	1-216-131-11	METAL GLAZE	2.7M 5% 1/10W
R1110	1-216-295-00	METAL GLAZE	0 5% 1/10W	R1187	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W
R1111	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R1188	1-216-131-11	METAL GLAZE	2.7M 5% 1/10W
R1112	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R1189	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W
R1113	1-216-081-00	METAL GLAZE	22K 5% 1/10W	R1190	1-216-131-11	METAL GLAZE	2.7M 5% 1/10W
R1114	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R1191	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W
R1115	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R1192	1-216-131-11	METAL GLAZE	2.7M 5% 1/10W
R1116	1-216-677-11	METAL CHIP	12K 0.50% 1/10W	R1193	1-216-025-00	METAL GLAZE	100 5% 1/10W
R1117	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W	R1194	1-216-085-00	METAL GLAZE	33K 5% 1/10W
R1118	1-216-113-00	METAL GLAZE	470K 5% 1/10W	R1195	1-216-025-00	METAL GLAZE	100 5% 1/10W
R1119	1-216-694-11	METAL CHIP	62K 0.50% 1/10W	R1196	1-216-085-00	METAL GLAZE	33K 5% 1/10W
R1120	1-216-089-91	METAL GLAZE	47K 5% 1/10W	R1197	1-216-025-00	METAL GLAZE	100 5% 1/10W
R1123	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W	R1198	1-216-085-00	METAL GLAZE	33K 5% 1/10W
R1124	1-216-113-00	METAL GLAZE	470K 5% 1/10W	R1301	1-216-029-00	METAL GLAZE	150 5% 1/10W
R1125	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R1302	1-216-029-00	METAL GLAZE	150 5% 1/10W
R1126	1-216-041-00	METAL GLAZE	470 5% 1/10W	R1303	1-216-039-00	METAL GLAZE	390 5% 1/10W
R1127	1-216-295-00	METAL GLAZE	0 5% 1/10W	R1304	1-216-689-11	METAL GLAZE	39K 5% 1/10W
R1128	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R1305	1-216-033-00	METAL GLAZE	220 5% 1/10W
R1129	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W	R1306	1-216-645-11	METAL CHIP	560 0.50% 1/10W
R1130	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R1307	1-216-091-00	METAL GLAZE	56K 5% 1/10W
R1131	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R1308	1-216-645-11	METAL CHIP	560 0.50% 1/10W
R1132	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W	R1309	1-216-025-00	METAL GLAZE	100 5% 1/10W
R1133	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W	R1310	1-216-025-00	METAL GLAZE	100 5% 1/10W
R1134	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R1311	1-216-089-91	METAL GLAZE	47K 5% 1/10W
R1135	1-216-295-00	METAL GLAZE	0 5% 1/10W	R1312	1-216-027-00	METAL GLAZE	120 5% 1/10W
R1136	1-216-097-00	METAL GLAZE	100K 5% 1/10W	R1313	1-216-097-00	METAL GLAZE	100K 5% 1/10W
R1137	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R1314	1-216-081-00	METAL GLAZE	22K 5% 1/10W
R1138	1-216-081-00	METAL GLAZE	22K 5% 1/10W	R1315	1-216-025-00	METAL GLAZE	100 5% 1/10W
R1139	1-216-055-00	METAL GLAZE	1.8K 5% 1/10W	R1316	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R1140	1-216-653-11	METAL CHIP	1.2K 0.50% 1/10W	R1317	1-216-041-00	METAL GLAZE	470 5% 1/10W
R1141	1-216-083-00	METAL GLAZE	27K 5% 1/10W	R1318	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W
R1142	1-216-653-11	METAL CHIP	1.2K 0.50% 1/10W	R1319	1-216-085-00	METAL GLAZE	33K 5% 1/10W
R1143	1-216-653-11	METAL CHIP	1.2K 0.50% 1/10W	R1320	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R1144	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R1321	1-216-649-11	METAL CHIP	820 0.50% 1/10W
R1145	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W				

## A (PVM-1351Q/1354Q)

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
R1322	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W	R1386	1-216-077-00	METAL GLAZE	15K 5% 1/10W
R1323	1-216-097-00	METAL GLAZE	100K 5% 1/10W	R1387	1-216-653-11	METAL CHIP	1.2K 0.50% 1/10W
R1324	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W	R1388	1-216-689-11	METAL CHIP	39K 0.50% 1/10W
R1325	1-216-652-11	METAL CHIP	1.1K 0.50% 1/10W	R1389	1-216-657-11	METAL CHIP	1.8K 0.50% 1/10W
R1326	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R1390	1-216-647-11	METAL CHIP	680 0.50% 1/10W
R1327	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R1391	1-216-025-00	METAL GLAZE	100 5% 1/10W
R1328	1-216-125-00	METAL GLAZE	1.5M 5% 1/10W	R1392	1-216-041-00	METAL GLAZE	470 5% 1/10W
R1329	1-216-103-91	METAL GLAZE	180K 5% 1/10W	R1393	1-216-063-00	METAL GLAZE	3.9K 5% 1/10W
R1330	1-216-081-00	METAL GLAZE	22K 5% 1/10W	R1394	1-216-041-00	METAL GLAZE	470 5% 1/10W
R1331	1-216-679-11	METAL CHIP	15K 0.50% 1/10W	R1395	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W
R1332	1-216-671-11	METAL CHIP	6.8K 0.50% 1/10W	R1396	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W
R1333	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R1397	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R1334	1-216-063-00	METAL GLAZE	3.9K 5% 1/10W	R1399	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R1335	1-249-401-11	CARBON	47 5% 1/4W F	R1401	1-216-085-00	METAL GLAZE	33K 5% 1/10W
R1336	1-216-095-00	METAL GLAZE	82K 5% 1/10W	R1402	1-216-295-00	METAL GLAZE	0 5% 1/10W
R1337	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W	R1403	1-216-651-11	METAL CHIP	1K 0.50% 1/10W
R1338	1-216-647-11	METAL CHIP	680 0.50% 1/10W	R1404	1-216-681-11	METAL CHIP	18K 0.50% 1/10W
R1339	1-216-033-00	METAL GLAZE	220 5% 1/10W	R1405	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W
R1340	1-216-033-00	METAL GLAZE	220 5% 1/10W	R1406	1-216-653-11	METAL CHIP	1.2K 0.50% 1/10W
R1341	1-216-033-00	METAL GLAZE	220 5% 1/10W	R1407	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W
R1342	1-216-083-00	METAL GLAZE	27K 5% 1/10W	R1408	1-216-113-00	METAL GLAZE	470K 5% 1/10W
R1343	1-216-037-00	METAL GLAZE	330 5% 1/10W	R1409	1-216-295-00	METAL GLAZE	0 5% 1/10W
R1344	1-216-093-00	METAL GLAZE	68K 5% 1/10W	R1410	1-216-053-00	METAL GLAZE	1.5K 5% 1/10W
R1345	1-216-109-00	METAL GLAZE	330K 5% 1/10W	R1411	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R1346	1-216-097-00	METAL GLAZE	100K 5% 1/10W	R1412	1-216-107-00	METAL GLAZE	270K 5% 1/10W
R1347	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R1413	1-216-081-00	METAL GLAZE	22K 5% 1/10W
R1348	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W	R1414	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W
R1349	1-216-035-00	METAL GLAZE	270 5% 1/10W	R1415	1-216-093-00	METAL GLAZE	68K 5% 1/10W
R1350	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R1416	1-216-113-00	METAL GLAZE	470K 5% 1/10W
R1351	1-216-033-00	METAL GLAZE	220 5% 1/10W	R1417	1-216-033-00	METAL GLAZE	220 5% 1/10W
R1352	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R1418	1-216-033-00	METAL GLAZE	220 5% 1/10W
R1353	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R1419	1-216-025-00	METAL GLAZE	100 5% 1/10W
R1354	1-216-089-91	METAL GLAZE	47K 5% 1/10W	R1420	1-216-089-91	METAL GLAZE	47K 5% 1/10W
R1355	1-216-033-00	METAL GLAZE	220 5% 1/10W	R1421	1-216-649-11	METAL CHIP	820 0.50% 1/10W
R1356	1-216-105-00	METAL GLAZE	220K 5% 1/10W	R1422	1-216-085-00	METAL GLAZE	33K 5% 1/10W
R1357	1-216-101-00	METAL GLAZE	150K 5% 1/10W	R1423	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W
R1358	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W	R1424	1-216-081-00	METAL GLAZE	22K 5% 1/10W
R1359	1-216-099-00	METAL GLAZE	120K 5% 1/10W	R1425	1-216-013-00	METAL GLAZE	33 5% 1/10W
R1360	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R1426	1-216-113-00	METAL GLAZE	470K 5% 1/10W
R1361	1-216-113-00	METAL GLAZE	470K 5% 1/10W	R1427	1-216-681-11	METAL CHIP	18K 0.50% 1/10W
R1362	1-216-676-11	METAL CHIP	11K 0.50% 1/10W	R1428	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W
R1363	1-216-113-00	METAL GLAZE	470K 5% 1/10W	R1429	1-216-668-11	METAL CHIP	5.1K 0.50% 1/10W
R1364	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R1430	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R1365	1-216-131-11	METAL GLAZE	2.7M 5% 1/10W	R1431	1-216-129-00	METAL GLAZE	2.2M 5% 1/10W
R1366	1-216-081-00	METAL GLAZE	22K 5% 1/10W	R1432	1-216-089-91	METAL GLAZE	47K 5% 1/10W
R1367	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W	R1433	1-216-085-00	METAL GLAZE	33K 5% 1/10W
R1368	1-216-059-00	METAL GLAZE	2.7K 5% 1/10W	R1434	1-216-645-11	METAL CHIP	560 0.50% 1/10W
R1369	1-216-051-00	METAL GLAZE	1.2K 5% 1/10W	R1435	1-216-055-00	METAL GLAZE	1.8K 5% 1/10W
R1370	1-216-105-00	METAL GLAZE	220K 5% 1/10W	R1436	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R1371	1-216-113-00	METAL GLAZE	470K 5% 1/10W	R1437	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W
R1372	1-249-437-11	CARBON	47K 5% 1/4W	R1438	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R1373	1-216-063-00	METAL GLAZE	3.9K 5% 1/10W	R1439	1-216-059-00	METAL GLAZE	2.7K 5% 1/10W
R1374	1-216-101-00	METAL GLAZE	150K 5% 1/10W	R1440	1-216-041-00	METAL GLAZE	470 5% 1/10W
R1375	1-216-645-11	METAL CHIP	560 0.50% 1/10W	R1441	1-216-033-00	METAL GLAZE	220 5% 1/10W
R1376	1-216-647-11	METAL CHIP	680 0.50% 1/10W	R1442	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R1377	1-216-055-00	METAL GLAZE	1.8K 5% 1/10W	R1443	1-216-013-00	METAL GLAZE	33 5% 1/10W
R1378	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R1444	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W
R1379	1-216-037-00	METAL GLAZE	330 5% 1/10W	R1445	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W
R1380	1-216-645-11	METAL CHIP	560 0.50% 1/10W	R1446	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W
R1381	1-216-647-11	METAL CHIP	680 0.50% 1/10W	R1447	1-216-081-00	METAL GLAZE	22K 5% 1/10W
R1382	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R1448	1-216-085-00	METAL GLAZE	33K 5% 1/10W
R1383	1-216-681-11	METAL CHIP	18K 0.50% 1/10W	R1449	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W
R1384	1-216-091-00	METAL GLAZE	56K 5% 1/10W	R1450	1-216-129-00	METAL GLAZE	2.2M 5% 1/10W
R1385	1-216-073-00	METAL GLAZE	10K 5% 1/10W				

The components identified by shading and mark **△** are critical for safety.  
Replace only with part number specified.

Les composants identifiés par une trame et une marque **△** sont critiques pour la sécurité.  
Ne les remplacer que par une pièce portant le numéro spécifié.

PVM-1350/1351Q/1354Q

## A (PVM-1351Q/1354Q)

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
R1451	1-216-093-00	METAL GLAZE	68K 5% 1/10W	R1519	1-216-355-11	METAL OXIDE	3.3 5% 1W F
R1452	1-216-085-00	METAL GLAZE	33K 5% 1/10W	R1520	1-216-007-00	METAL GLAZE	18 5% 1/10W
R1453	1-216-013-00	METAL GLAZE	33 5% 1/10W	R1521	1-216-029-00	METAL GLAZE	150 5% 1/10W
R1454	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R1522	1-249-400-11	CARBON	39 5% 1/4W F
R1455	1-216-113-00	METAL GLAZE	470K 5% 1/10W	R1523	1-216-350-11	METAL OXIDE	1.2 5% 1W F
R1456	1-216-129-00	METAL GLAZE	2.2M 5% 1/10W	R1524	1-216-427-00	METAL OXIDE	120 5% 1W F
R1457	1-216-089-91	METAL GLAZE	47K 5% 1/10W	R1525	1-216-083-00	METAL GLAZE	27K 5% 1/10W
R1458	1-216-085-00	METAL GLAZE	33K 5% 1/10W	R1526	1-216-089-91	METAL GLAZE	47K 5% 1/10W
R1459	1-216-133-00	METAL GLAZE	3.3M 5% 1/10W	R1527	1-249-413-11	CARBON	470 5% 1/4W F
R1460	1-216-097-00	METAL GLAZE	100K 5% 1/10W	R1528	1-215-869-11	METAL OXIDE	1K 5% 1W F
R1461	1-216-645-11	METAL CHIP	560 0.50% 1/10W	R1529	1-202-829-11	SOLID	8.2K 20% 1/2W
R1462	1-216-645-11	METAL CHIP	560 0.50% 1/10W	R1530	1-216-115-00	METAL GLAZE	560K 5% 1/10W
R1463	1-216-645-11	METAL CHIP	560 0.50% 1/10W	R1531	1-247-697-11	CARBON	56 5% 1/4W F
R1464	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W	R1532	1-216-059-00	METAL GLAZE	2.7K 5% 1/10W
R1465	1-216-097-00	METAL GLAZE	100K 5% 1/10W	R1533	1-249-414-11	CARBON	560 5% 1/4W F
R1466	1-216-055-00	METAL GLAZE	1.8K 5% 1/10W	R1534	1-216-659-11	METAL CHIP	2.2K 0.50% 1/10W
R1467	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R1535△			
R1468	1-249-438-11	CARBON	56K 5% 1/4W	R1536△			
R1469	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W	R1537	1-249-389-11	CARBON	4.7 5% 1/4W F
R1470	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W	R1538	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R1471	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R1539	1-216-689-11	METAL GLAZE	39K 5% 1/10W
R1472	1-216-085-00	METAL GLAZE	33K 5% 1/10W	R1540	1-216-105-00	METAL GLAZE	220K 5% 1/10W
R1473	1-216-081-00	METAL GLAZE	22K 5% 1/10W	R1541	1-216-081-00	METAL GLAZE	22K 5% 1/10W
R1474	1-216-687-11	METAL CHIP	33K 0.50% 1/10W	R1542	1-216-111-00	METAL GLAZE	390K 5% 1/10W
R1475	1-216-677-11	METAL CHIP	12K 0.50% 1/10W	R1543	1-216-027-00	METAL GLAZE	120 5% 1/10W
R1476	1-216-063-00	METAL GLAZE	3.9K 5% 1/10W	R1544	1-216-117-00	METAL GLAZE	680K 5% 1/10W
R1477	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W	R1545	1-216-101-00	METAL GLAZE	150K 5% 1/10W
R1478	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W	R1547	1-216-393-00	METAL OXIDE	2.2 5% 3W F
R1479	1-216-295-00	METAL GLAZE	0 5% 1/10W	R1548	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W
R1480	1-216-089-91	METAL GLAZE	47K 5% 1/10W	R1549	1-260-094-11	CARBON	390 5% 1/2W
R1481	1-216-115-00	METAL GLAZE	560K 5% 1/10W	R1550	1-216-105-00	METAL GLAZE	220K 5% 1/10W
R1482	1-216-089-91	METAL GLAZE	47K 5% 1/10W	R1551	1-249-393-11	CARBON	10 5% 1/4W F
R1483	1-216-089-91	METAL GLAZE	47K 5% 1/10W	R1552	1-216-091-00	METAL GLAZE	56K 5% 1/10W
R1484	1-216-081-00	METAL GLAZE	22K 5% 1/10W	R1553	1-216-091-00	METAL GLAZE	56K 5% 1/10W
R1485	1-216-113-00	METAL GLAZE	470K 5% 1/10W	R1554	1-216-059-00	METAL GLAZE	2.7K 5% 1/10W
R1486	1-216-121-00	METAL GLAZE	1M 5% 1/10W	R1555	1-216-295-00	METAL GLAZE	0 5% 1/10W
R1487	1-216-113-00	METAL GLAZE	470K 5% 1/10W	R1556	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W
R1488	1-216-083-00	METAL GLAZE	27K 5% 1/10W	R1557	1-218-760-11	METAL CHIP	220K 0.50% 1/10W
R1489	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W	R1558	1-249-393-11	CARBON	10 5% 1/4W F
R1490	1-216-035-00	METAL GLAZE	270 5% 1/10W	R1559	1-249-393-11	CARBON	10 5% 1/4W F
R1491	1-216-035-00	METAL GLAZE	270 5% 1/10W	R1560	1-216-049-00	METAL GLAZE	1K 5% 1/10W
R1492	1-216-035-00	METAL GLAZE	270 5% 1/10W	R1561	1-216-681-11	METAL CHIP	18K 0.50% 1/10W
R1493	1-216-083-00	METAL GLAZE	27K 5% 1/10W	R1562	1-214-964-00	METAL	1M 1% 1/4W
R1494	1-216-081-00	METAL GLAZE	22K 5% 1/10W	R1563	1-214-964-00	METAL	1M 1% 1/4W
R1495	1-216-089-91	METAL GLAZE	47K 5% 1/10W	R1564	1-216-681-11	METAL CHIP	18K 0.50% 1/10W
R1497	1-216-113-00	METAL GLAZE	470K 5% 1/10W	R1567	1-216-089-91	METAL GLAZE	47K 5% 1/10W
R1498	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W	R1568	1-216-081-00	METAL GLAZE	22K 5% 1/10W
R1499	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W	R1569	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R1500	1-216-647-11	METAL CHIP	680 0.50% 1/10W	R1570	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R1501	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W	R1571	1-216-103-91	METAL GLAZE	180K 5% 1/10W
R1502	1-260-105-11	CARBON	3.3K 5% 1/2W	R1572	1-216-101-00	METAL GLAZE	150K 5% 1/10W
R1503	1-216-063-00	METAL GLAZE	3.9K 5% 1/10W	R1573	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R1504	1-216-686-11	METAL CHIP	30K 0.50% 1/10W	R1574	1-216-041-00	METAL GLAZE	470 5% 1/10W
R1505	1-247-688-11	CARBON	10 5% 1/4W F	R1575	1-216-025-00	METAL GLAZE	100 5% 1/10W
R1506	1-216-037-00	METAL GLAZE	330 5% 1/10W	R1576	1-216-025-00	METAL GLAZE	100 5% 1/10W
R1507	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R1577	1-216-025-00	METAL GLAZE	100 5% 1/10W
R1508	1-216-689-11	METAL GLAZE	39K 5% 1/10W	R1578	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R1509	1-249-439-11	CARBON	68K 5% 1/4W	R1579	1-216-689-11	METAL GLAZE	39K 5% 1/10W
R1510	1-216-077-00	METAL GLAZE	15K 5% 1/10W	R2300	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R1511	1-216-360-11	METAL OXIDE	8.2 5% 1W F	R2301	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R1512	1-216-647-11	METAL CHIP	680 0.50% 1/10W	R2302	1-216-671-11	METAL CHIP	6.8K 0.50% 1/10W
R1513	1-247-752-11	CARBON	1K 5% 1/2W F	R2303	1-216-093-00	METAL GLAZE	68K 5% 1/10W
R1514	1-247-711-11	CARBON	680 5% 1/4W F	R2304	1-216-105-00	METAL GLAZE	220K 5% 1/10W
R1515	1-216-350-11	METAL OXIDE	1.2 5% 1W F	R2305	1-216-085-00	METAL GLAZE	33K 5% 1/10W
R1516	1-247-883-00	CARBON	150K 5% 1/4W	R2306	1-216-089-91	METAL GLAZE	47K 5% 1/10W
R1518	1-215-867-00	METAL OXIDE	470 5% 1W F				

• The components identified by **⊠** in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation.

Should replacement be required, replace only with the value originally used.

## A (PVM-1351Q/1354Q)

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
R2307	1-216-033-00	METAL GLAZE	220 5% 1/10W	R2372	1-216-113-00	METAL GLAZE	470K 5% 1/10W
R2308	1-216-103-91	METAL GLAZE	180K 5% 1/10W	R2374	1-216-097-00	METAL GLAZE	100K 5% 1/10W
R2309	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R2375	1-216-089-91	METAL GLAZE	47K 5% 1/10W
R2310	1-216-095-00	METAL GLAZE	82K 5% 1/10W	R2376	1-216-089-91	METAL GLAZE	47K 5% 1/10W
R2311	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R2377	1-216-033-00	METAL GLAZE	220 5% 1/10W
R2312	1-216-053-00	METAL GLAZE	1.5K 5% 1/10W	R2378	1-216-089-91	METAL GLAZE	47K 5% 1/10W
R2313	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R2379	1-216-033-00	METAL GLAZE	220 5% 1/10W
R2314	1-216-645-11	METAL CHIP	560 0.50% 1/10W	R2380	1-216-089-91	METAL GLAZE	47K 5% 1/10W
R2315	1-216-679-11	METAL CHIP	15K 0.50% 1/10W	R2381	1-216-089-91	METAL GLAZE	47K 5% 1/10W
R2316	1-216-081-00	METAL GLAZE	22K 5% 1/10W	R2382	1-216-089-91	METAL GLAZE	47K 5% 1/10W
R2317	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R2383	1-216-033-00	METAL GLAZE	220 5% 1/10W
R2318	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W	R2384	1-216-689-11	METAL GLAZE	39K 5% 1/10W
R2319	1-216-093-00	METAL GLAZE	68K 5% 1/10W	R2385	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R2320	1-216-677-11	METAL CHIP	12K 0.50% 1/10W	R2386	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R2321	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W	R2387	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R2322	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R2388	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R2323	1-216-683-11	METAL CHIP	22K 0.50% 1/10W	R2389	1-216-033-00	METAL GLAZE	220 5% 1/10W
R2324	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R2390	1-216-647-11	METAL CHIP	680 0.50% 1/10W
R2325	1-216-063-00	METAL GLAZE	3.9K 5% 1/10W	R2391	1-216-647-11	METAL CHIP	680 0.50% 1/10W
R2326	1-216-041-00	METAL GLAZE	470 5% 1/10W	R2392	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R2327	1-216-059-00	METAL GLAZE	2.7K 5% 1/10W	R2393	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R2328	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R2394	1-216-081-00	METAL GLAZE	22K 5% 1/10W
R2329	1-216-059-00	METAL GLAZE	2.7K 5% 1/10W	R2396	1-216-041-00	METAL GLAZE	470 5% 1/10W
R2330	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R2397	1-216-113-00	METAL GLAZE	470K 5% 1/10W
R2331	1-216-059-00	METAL GLAZE	2.7K 5% 1/10W	R2398	1-216-109-00	METAL GLAZE	330K 5% 1/10W
R2332	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R2399	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R2333	1-216-089-91	METAL GLAZE	47K 5% 1/10W	R2501	1-216-083-00	METAL GLAZE	27K 5% 1/10W
R2334	1-216-041-00	METAL GLAZE	470 5% 1/10W	R2502	1-216-077-00	METAL GLAZE	15K 5% 1/10W
R2335	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W	R2551	1-216-091-00	METAL GLAZE	56K 5% 1/10W
R2336	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R2552	1-216-085-00	METAL GLAZE	33K 5% 1/10W
R2337	1-216-037-00	METAL GLAZE	330 5% 1/10W	R2553	1-216-083-00	METAL GLAZE	27K 5% 1/10W
R2338	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R2555	1-216-055-00	METAL GLAZE	1.8K 5% 1/10W
R2339	1-216-037-00	METAL GLAZE	330 5% 1/10W	R2556	1-216-051-00	METAL GLAZE	1.2K 5% 1/10W
R2340	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R2557	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W
R2341	1-216-037-00	METAL GLAZE	330 5% 1/10W	R2558	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W
R2342	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W	R2559	1-216-039-00	METAL GLAZE	390 5% 1/10W
R2343	1-216-081-00	METAL GLAZE	22K 5% 1/10W	R2560	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W
R2344	1-216-121-00	METAL GLAZE	1M 5% 1/10W	R2561	1-216-001-00	METAL GLAZE	10 5% 1/10W
R2345	1-216-681-11	METAL CHIP	18K 0.50% 1/10W	R2562	1-216-001-00	METAL GLAZE	10 5% 1/10W
R2346	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W	R2563	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W
R2347	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W	R3301	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R2348	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W	R3302	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R2349	1-216-679-11	METAL CHIP	15K 0.50% 1/10W	R3303	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R2350	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W	R3304	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R2351	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W	R3305	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W
R2352	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W	R3306	1-216-063-00	METAL GLAZE	3.9K 5% 1/10W
R2353	1-216-041-00	METAL GLAZE	470 5% 1/10W	R3308	1-216-097-00	METAL GLAZE	100K 5% 1/10W
R2354	1-216-025-00	METAL GLAZE	100 5% 1/10W	R3309	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R2355	1-216-089-91	METAL GLAZE	47K 5% 1/10W	R3310	1-216-049-00	METAL GLAZE	1K 5% 1/10W
R2356	1-216-095-00	METAL GLAZE	82K 5% 1/10W	R3311	1-216-091-00	METAL GLAZE	56K 5% 1/10W
R2357	1-216-025-00	METAL GLAZE	100 5% 1/10W	R3312	1-216-105-00	METAL GLAZE	220K 5% 1/10W
R2358	1-216-097-00	METAL GLAZE	100K 5% 1/10W	R3317	1-216-103-91	METAL GLAZE	180K 5% 1/10W
R2359	1-216-097-00	METAL GLAZE	100K 5% 1/10W	R3320	1-216-085-00	METAL GLAZE	33K 5% 1/10W
R2360	1-216-689-11	METAL GLAZE	39K 5% 1/10W	R3333	1-216-113-00	METAL GLAZE	470K 5% 1/10W
R2361	1-216-099-00	METAL GLAZE	120K 5% 1/10W	R3334	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R2362	1-216-081-00	METAL GLAZE	22K 5% 1/10W	R3335	1-216-113-00	METAL GLAZE	470K 5% 1/10W
R2363	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R3337	1-216-099-00	METAL GLAZE	120K 5% 1/10W
R2364	1-216-025-00	METAL GLAZE	100 5% 1/10W	R3338	1-218-759-11	METAL CHIP	200K 0.50% 1/10W
R2365	1-216-687-11	METAL CHIP	33K 0.50% 1/10W	R3339	1-216-093-00	METAL GLAZE	68K 5% 1/10W
R2366	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W	R3340	1-216-099-00	METAL GLAZE	120K 5% 1/10W
R2367	1-216-093-00	METAL GLAZE	68K 5% 1/10W	R3341	1-216-083-00	METAL GLAZE	27K 5% 1/10W
R2368	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R3344	1-216-081-00	METAL GLAZE	22K 5% 1/10W
R2369	1-216-083-00	METAL GLAZE	27K 5% 1/10W	R3345	1-216-033-00	METAL GLAZE	220 5% 1/10W
R2370	1-216-081-00	METAL GLAZE	22K 5% 1/10W				
R2371	1-216-049-00	METAL GLAZE	1K 5% 1/10W				

## A (PVM-1351Q/1354Q)

## A (PVM-1350)

REF. NO.	PART NO.	DESCRIPTION	REMARK
R3346	1-216-025-00	METAL GLAZE	100 5% 1/10W
R3347	1-216-025-00	METAL GLAZE	100 5% 1/10W
R3348	1-216-025-00	METAL GLAZE	100 5% 1/10W
R3349	1-216-025-00	METAL GLAZE	100 5% 1/10W
R3350	1-216-113-00	METAL GLAZE	470K 5% 1/10W
R3351	1-216-119-00	METAL GLAZE	820K 5% 1/10W
R3355	1-216-089-91	METAL GLAZE	47K 5% 1/10W
R3356	1-216-051-00	METAL GLAZE	1.2K 5% 1/10W
R3357	1-216-051-00	METAL GLAZE	1.2K 5% 1/10W
R3358	1-216-051-00	METAL GLAZE	1.2K 5% 1/10W
R3359	1-216-081-00	METAL GLAZE	22K 5% 1/10W
R3360	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R3361	1-216-089-91	METAL GLAZE	47K 5% 1/10W
R3362	1-216-049-00	METAL GLAZE	1K 5% 1/10W
R3363	1-216-049-00	METAL GLAZE	1K 5% 1/10W
R3364	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R3365	1-216-081-00	METAL GLAZE	22K 5% 1/10W
R3376	1-216-081-00	METAL GLAZE	22K 5% 1/10W
R3377	1-216-107-00	METAL GLAZE	270K 5% 1/10W
R3378	1-216-115-00	METAL GLAZE	560K 5% 1/10W
R3381	1-216-041-00	METAL GLAZE	470 5% 1/10W
R3382	1-216-647-11	METAL CHIP	680 0.50% 1/10W
R3383	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W
R3384	1-216-063-00	METAL GLAZE	3.9K 5% 1/10W
R3385	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W
R3386	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W
R3390	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W
R3394	1-216-089-91	METAL GLAZE	47K 5% 1/10W
R3395	1-249-417-11	CARBON	1K 5% 1/4W
R3396	1-216-041-00	METAL GLAZE	470 5% 1/10W
R3397	1-216-041-00	METAL GLAZE	470 5% 1/10W
R3398	1-216-101-00	METAL GLAZE	150K 5% 1/10W
R4401	1-216-085-00	METAL GLAZE	33K 5% 1/10W
R4402	1-216-113-00	METAL GLAZE	470K 5% 1/10W
R4404	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R4405	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W
R4407	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W
R4408	1-216-059-00	METAL GLAZE	2.7K 5% 1/10W
R4409	1-216-059-00	METAL GLAZE	2.7K 5% 1/10W
R4410	1-216-059-00	METAL GLAZE	2.7K 5% 1/10W
R4411	1-216-113-00	METAL GLAZE	470K 5% 1/10W
R4412	1-216-113-00	METAL GLAZE	470K 5% 1/10W
R4413	1-216-295-00	METAL GLAZE	0 5% 1/10W
R4414	1-216-295-00	METAL GLAZE	0 5% 1/10W
R4415	1-216-295-00	METAL GLAZE	0 5% 1/10W
R4416	1-216-295-00	METAL GLAZE	0 5% 1/10W

## &lt;VARIABLE RESISTOR&gt;

RV501 1-223-102-00 RES, ADJ. WIREWOUND 120

## &lt;TRANSFORMER&gt;

T300 1-406-781-11 COIL  
T500 1-426-668-11 TRANSFORMER, FERRITE (HDT)  
T501  $\Delta$  1-453-163-11 TRANSFORMER ASSY, FLYBACK

## &lt;THERMISTOR&gt;

TH500 1-807-970-11 THERMISTOR

## &lt;CRYSTAL&gt;

REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
	X101	1-579-175-11	VIBRATOR, CERAMIC	
	X300	1-577-259-11	VIBRATOR, CRYSTAL	
	X301	1-527-722-00	OSCILLATOR, CRYSTAL	
*****				
	*A-1297-196-A	A BOARD, COMPLETE (PVM-1350)		
		*****		
		1-540-044-11	SOCKET, IC	
		*4-030-359-01	HEAT SINK, H. PIN	
		*4-043-154-01	HOLDER, IC	
		*4-043-994-01	PLATE (CF), SHIELD	
		4-363-414-00	SPACER, MICA	
		4-382-854-11	SCREW (M3X10), P. SW (+)	
		<BAND PASS FILTER>		
	BPF400	1-236-363-11	FILTER, BAND PASS	
		<CAPACITOR>		
	C105	1-163-251-11	CERAMIC CHIP 100PF	5% 50V
	C106	1-163-251-11	CERAMIC CHIP 100PF	5% 50V
	C114	1-163-031-11	CERAMIC CHIP 0.01MF	50V
	C115	1-163-031-11	CERAMIC CHIP 0.01MF	50V
	C116	1-163-031-11	CERAMIC CHIP 0.01MF	50V
	C117	1-163-031-11	CERAMIC CHIP 0.01MF	50V
	C118	1-163-125-00	CERAMIC CHIP 220PF	5% 50V
	C119	1-165-319-11	CERAMIC CHIP 0.1MF	50V
	C121	1-163-237-11	CERAMIC CHIP 27PF	5% 50V
	C123	1-165-319-11	CERAMIC CHIP 0.1MF	50V
	C124	1-163-251-11	CERAMIC CHIP 100PF	5% 50V
	C132	1-163-141-00	CERAMIC CHIP 0.001MF	5% 50V
	C133	1-163-251-11	CERAMIC CHIP 100PF	5% 50V
	C134	1-163-251-11	CERAMIC CHIP 100PF	5% 50V
	C135	1-163-251-11	CERAMIC CHIP 100PF	5% 50V
	C136	1-163-251-11	CERAMIC CHIP 100PF	5% 50V
	C141	1-164-161-11	CERAMIC CHIP 0.0022MF	10% 50V
	C142	1-163-125-00	CERAMIC CHIP 220PF	5% 50V
	C143	1-165-319-11	CERAMIC CHIP 0.1MF	50V
	C144	1-165-319-11	CERAMIC CHIP 0.1MF	50V
	C145	1-165-319-11	CERAMIC CHIP 0.1MF	50V
	C154	1-163-037-11	CERAMIC CHIP 0.022MF	10% 25V
	C155	1-163-023-00	CERAMIC CHIP 0.015MF	10% 50V
	C156	1-163-019-00	CERAMIC CHIP 0.0068MF	10% 50V
	C157	1-163-019-00	CERAMIC CHIP 0.0068MF	10% 50V
	C158	1-163-809-11	CERAMIC CHIP 0.047MF	10% 25V
	C159	1-163-037-11	CERAMIC CHIP 0.022MF	10% 25V
	C161	1-124-477-11	ELECT 47MF	20% 16V
	C162	1-163-141-00	CERAMIC CHIP 0.001MF	5% 50V
	C164	1-165-319-11	CERAMIC CHIP 0.1MF	50V
	C165	1-165-319-11	CERAMIC CHIP 0.1MF	50V
	C166	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
	C167	1-124-472-11	ELECT 470MF	20% 10V
	C168	1-124-472-11	ELECT 470MF	20% 10V
	C169	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
	C171	1-163-251-11	CERAMIC CHIP 100PF	5% 50V
	C172	1-163-243-11	CERAMIC CHIP 47PF	5% 50V
	C173	1-163-243-11	CERAMIC CHIP 47PF	5% 50V
	C200	1-124-927-11	ELECT 4.7MF	20% 50V
	C201	1-106-383-00	MYLAR 0.047MF	10% 100V
	C202	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V
	C203	1-124-927-11	ELECT 4.7MF	20% 50V
	C204	1-124-907-11	ELECT 10MF	20% 50V

The components identified by shading and mark  $\Delta$  are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque  $\Delta$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

## A (PVM-1350)

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
C205	1-124-360-00	ELECT 1000MF	20% 16V	C399	1-124-477-11	ELECT 47MF	20% 25V
C206	1-126-375-11	ELECT 100MF	20% 25V	C400	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C207	1-124-478-11	ELECT 100MF	20% 25V	C401	1-164-346-11	CERAMIC CHIP 1MF	10% 16V
C208	1-124-907-11	ELECT 10MF	20% 50V	C402	1-124-910-11	ELECT 47MF	20% 50V
C209	1-124-927-11	ELECT 4.7MF	20% 50V	C403	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C304	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	C406	1-124-916-11	ELECT 22MF	20% 50V
C305	1-163-125-00	CERAMIC CHIP 220PF	5% 50V	C407	1-124-477-11	ELECT 47MF	20% 25V
C306	1-163-031-11	CERAMIC CHIP 0.01MF	50V	C408	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C311	1-163-809-11	CERAMIC CHIP 0.047MF	10% 25V	C409	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C312	1-124-925-11	ELECT 2.2MF	20% 50V	C410	1-124-916-11	ELECT 22MF	20% 50V
C313	1-163-145-00	CERAMIC CHIP 0.0015MF	5% 50V	C411	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C314	1-163-249-11	CERAMIC CHIP 82PF	5% 50V	C414	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C315	1-124-907-11	ELECT 10MF	20% 50V	C415	1-124-907-11	ELECT 10MF	20% 50V
C316	1-124-477-11	ELECT 47MF	20% 25V	C416	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C318	1-124-907-11	ELECT 10MF	20% 50V	C417	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C326	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	C418	1-164-182-11	CERAMIC CHIP 0.0033MF	10% 50V
C343	1-163-031-11	CERAMIC CHIP 0.01MF	50V	C419	1-124-472-11	ELECT 470MF	20% 10V
C349	1-163-141-00	CERAMIC CHIP 0.001MF	5% 50V	C420	1-163-809-11	CERAMIC CHIP 0.047MF	10% 25V
C350	1-163-141-00	CERAMIC CHIP 0.001MF	5% 50V	C421	1-164-222-11	CERAMIC CHIP 0.22MF	25V
C352	1-163-031-11	CERAMIC CHIP 0.01MF	50V	C422	1-124-903-11	ELECT 1MF	20% 50V
C353	1-165-319-11	CERAMIC CHIP 0.1MF	50V	C423	1-163-809-11	CERAMIC CHIP 0.047MF	10% 25V
C354	1-163-121-00	CERAMIC CHIP 150PF	5% 50V	C424	1-163-809-11	CERAMIC CHIP 0.047MF	10% 25V
C355	1-124-903-11	ELECT 1MF	20% 50V	C425	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C356	1-124-927-11	ELECT 4.7MF	20% 50V	C426	1-163-243-11	CERAMIC CHIP 47PF	5% 50V
C358	1-163-031-11	CERAMIC CHIP 0.01MF	50V	C427	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C359	1-124-477-11	ELECT 47MF	20% 25V	C428	1-124-119-00	ELECT 330MF	20% 16V
C360	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V	C429	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C361	1-163-031-11	CERAMIC CHIP 0.01MF	50V	C430	1-124-119-00	ELECT 330MF	20% 16V
C362	1-163-031-11	CERAMIC CHIP 0.01MF	50V	C431	1-165-319-11	CERAMIC CHIP 0.1MF	50V
C363	1-163-099-00	CERAMIC CHIP 18PF	5% 50V	C432	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C364	1-163-031-11	CERAMIC CHIP 0.01MF	50V	C433	1-163-235-11	CERAMIC CHIP 22PF	5% 50V
C365	1-106-343-00	MYLAR 0.001MF	10% 100V	C434	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C366	1-163-031-11	CERAMIC CHIP 0.01MF	50V	C435	1-163-089-00	CERAMIC CHIP 6PF	0.25PF 50V
C367	1-163-031-11	CERAMIC CHIP 0.01MF	50V	C436	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C368	1-124-907-11	ELECT 10MF	20% 50V	C437	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C369	1-164-298-11	CERAMIC CHIP 0.15MF	10% 25V	C438	1-163-809-11	CERAMIC CHIP 0.047MF	10% 25V
C370	1-124-477-11	ELECT 47MF	20% 25V	C439	1-163-809-11	CERAMIC CHIP 0.047MF	10% 25V
C371	1-124-477-11	ELECT 47MF	20% 25V	C440	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C372	1-163-031-11	CERAMIC CHIP 0.01MF	50V	C441	1-126-962-11	ELECT 3.3MF	20% 50V
C373	1-163-141-00	CERAMIC CHIP 0.001MF	5% 50V	C442	1-163-809-11	CERAMIC CHIP 0.047MF	10% 25V
C374	1-124-903-11	ELECT 1MF	20% 50V	C443	1-163-243-11	CERAMIC CHIP 47PF	5% 50V
C375	1-163-125-00	CERAMIC CHIP 220PF	5% 50V	C444	1-165-319-11	CERAMIC CHIP 0.1MF	50V
C376	1-124-902-00	ELECT 0.47MF	20% 50V	C445	1-163-809-11	CERAMIC CHIP 0.047MF	10% 25V
C377	1-163-809-11	CERAMIC CHIP 0.047MF	10% 25V	C446	1-163-089-00	CERAMIC CHIP 6PF	0.25PF 50V
C378	1-163-809-11	CERAMIC CHIP 0.047MF	10% 25V	C447	1-163-263-11	CERAMIC CHIP 330PF	5% 50V
C379	1-163-031-11	CERAMIC CHIP 0.01MF	50V	C448	1-163-243-11	CERAMIC CHIP 47PF	5% 50V
C380	1-124-472-11	ELECT 470MF	20% 10V	C449	1-163-227-11	CERAMIC CHIP 10PF	0.5PF 50V
C381	1-163-031-11	CERAMIC CHIP 0.01MF	50V	C450	1-163-809-11	CERAMIC CHIP 0.047MF	10% 25V
C382	1-163-243-11	CERAMIC CHIP 47PF	5% 50V	C451	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C383	1-124-477-11	ELECT 47MF	20% 25V	C452	1-163-263-11	CERAMIC CHIP 330PF	5% 50V
C384	1-163-249-11	CERAMIC CHIP 82PF	5% 50V	C453	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C385	1-124-477-11	ELECT 47MF	20% 25V	C454	1-163-243-11	CERAMIC CHIP 47PF	5% 50V
C386	1-124-907-11	ELECT 10MF	20% 50V	C455	1-163-263-11	CERAMIC CHIP 330PF	5% 50V
C387	1-163-141-00	CERAMIC CHIP 0.001MF	5% 50V	C456	1-163-089-00	CERAMIC CHIP 6PF	0.25PF 50V
C388	1-124-907-11	ELECT 10MF	20% 50V	C457	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C390	1-163-243-11	CERAMIC CHIP 47PF	5% 50V	C458	1-163-249-11	CERAMIC CHIP 82PF	5% 50V
C391	1-124-477-11	ELECT 47MF	20% 25V	C459	1-165-319-11	CERAMIC CHIP 0.1MF	50V
C392	1-164-298-11	CERAMIC CHIP 0.15MF	10% 25V	C460	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C393	1-164-298-11	CERAMIC CHIP 0.15MF	10% 25V	C461	1-163-119-00	CERAMIC CHIP 120PF	5% 50V
C394	1-124-477-11	ELECT 47MF	20% 25V	C462	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C395	1-163-235-11	CERAMIC CHIP 22PF	5% 50V	C463	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C396	1-164-299-11	CERAMIC CHIP 0.22MF	10% 25V	C464	1-164-299-11	CERAMIC CHIP 0.22MF	10% 25V
C397	1-124-477-11	ELECT 47MF	20% 25V	C465	1-163-097-00	CERAMIC CHIP 15PF	5% 50V
C398	1-124-477-11	ELECT 47MF	20% 25V				



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PVM-1350/1351Q/1354Q

**A (PVM-1350)**

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
C466	1-163-119-00	CERAMIC CHIP 120PF	5% 50V	C541	1-124-927-11	ELECT 4.7MF	20% 50V
C467	1-163-119-00	CERAMIC CHIP 120PF	5% 50V	C542	1-106-351-00	MYLAR 0.0022MF	10% 100V
C469	1-163-037-11	CERAMIC CHIP 0.022MF	10% 25V	C543	1-106-351-00	MYLAR 0.0022MF	10% 100V
C470	1-163-243-11	CERAMIC CHIP 47PF	5% 50V	C544	1-106-367-00	MYLAR 0.01MF	10% 100V
C471	1-163-105-00	CERAMIC CHIP 33PF	5% 50V	C545	1-102-212-00	CERAMIC 820PF	10% 500V
C472	1-163-031-11	CERAMIC CHIP 0.01MF	50V	C547	1-163-251-11	CERAMIC CHIP 100PF	5% 50V
C473	1-163-031-11	CERAMIC CHIP 0.01MF	50V	C548	1-102-212-00	CERAMIC 820PF	10% 500V
C475	1-163-031-11	CERAMIC CHIP 0.01MF	50V	C549	1-124-667-11	ELECT 10MF	20% 50V
C476	1-163-031-11	CERAMIC CHIP 0.01MF	50V	C550	1-126-163-11	ELECT 4.7MF	20% 50V
C477	1-164-299-11	CERAMIC CHIP 0.22MF	10% 25V	C551	1-106-375-12	MYLAR 0.022MF	10% 100V
C478	1-124-907-11	ELECT 10MF	20% 50V	C552	1-126-336-11	ELECT 220MF	20% 25V
C479	1-163-121-00	CERAMIC CHIP 150PF	5% 50V	C556	1-124-907-11	ELECT 10MF	20% 50V
C482	1-124-472-11	ELECT 470MF	20% 10V	C557	1-106-381-12	MYLAR 0.039MF	10% 100V
C483	1-163-249-11	CERAMIC CHIP 82PF	5% 50V	C558	1-124-903-11	ELECT 1MF	20% 50V
C484	1-163-113-00	CERAMIC CHIP 68PF	5% 50V	C559	1-136-173-00	FILM 0.47MF	5% 50V
C485	1-163-113-00	CERAMIC CHIP 68PF	5% 50V	C561	1-136-159-00	FILM 0.033MF	5% 50V
C486	1-163-249-11	CERAMIC CHIP 82PF	5% 50V	C562	1-163-249-11	CERAMIC CHIP 82PF	5% 50V
C487	1-163-235-11	CERAMIC CHIP 22PF	5% 50V	C564	1-124-907-11	ELECT 10MF	20% 50V
C488	1-163-097-00	CERAMIC CHIP 15PF	5% 50V	C565	1-124-903-11	ELECT 1MF	20% 50V
C490	1-164-336-11	CERAMIC CHIP 0.33MF	25V	C566	1-106-367-00	MYLAR 0.01MF	10% 100V
C491	1-164-336-11	CERAMIC CHIP 0.33MF	25V	C568	1-124-903-11	ELECT 1MF	20% 50V
C492	1-164-336-11	CERAMIC CHIP 0.33MF	25V	C569	1-131-351-00	TANTALUM 4.7MF	10% 25V
C493	1-104-760-11	CERAMIC CHIP 0.047MF	10% 50V	C570	1-124-360-00	ELECT 1000MF	20% 16V
C494	1-104-760-11	CERAMIC CHIP 0.047MF	10% 50V	C571	1-164-232-11	CERAMIC CHIP 0.01MF	10% 50V
C495	1-124-907-11	ELECT 10MF	20% 50V	C572	1-104-709-11	ELECT 4.7MF	0 160V
C497	1-163-011-11	CERAMIC CHIP 0.0015MF	10% 50V	C573	1-136-173-00	FILM 0.47MF	5% 50V
C498	1-124-925-11	ELECT 2.2MF	20% 50V	C574	1-249-383-11	CARBON 1.5	5% 1/4W F
C499	1-163-031-11	CERAMIC CHIP 0.01MF	50V	C575	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C500	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	C576	1-102-244-00	CERAMIC 220PF	10% 500V
C501	1-164-182-11	CERAMIC CHIP 0.0033MF	10% 50V	C577	1-124-907-11	ELECT 10MF	20% 50V
C502	1-163-141-00	CERAMIC CHIP 0.001MF	5% 50V	C578	1-136-540-11	FILM 0.82MF	5% 200V
C503	1-163-251-11	CERAMIC CHIP 100PF	5% 50V	C579	1-126-804-11	ELECT 100MF	20% 50V
C504	1-136-175-00	FILM 0.068MF	5% 50V	C580	1-136-756-11	FILM 0.24MF	5% 200V
C505	1-163-135-00	CERAMIC CHIP 560PF	5% 50V	C581	1-124-927-11	ELECT 4.7MF	20% 50V
C506	1-124-902-00	ELECT 0.47MF	20% 50V	C582	1-102-002-00	CERAMIC 680PF	10% 500V
C507	1-126-375-11	ELECT 100MF	20% 25V	C583	1-136-569-11	FILM 1.2MF	5% 200V
C508	1-130-495-00	MYLAR 0.1MF	5% 50V	C584	1-123-267-00	ELECT 2.2MF	20% 160V
C509	1-124-935-11	ELECT 470MF	20% 100V	C585	1-124-666-11	ELECT 4.7MF	20% 250V
C511	1-108-700-11	MYLAR 0.047MF	10% 200V	C586	1-124-557-11	ELECT 1000MF	20% 25V
C512	1-124-902-00	ELECT 0.47MF	20% 50V	C587	1-102-030-00	CERAMIC 330PF	10% 500V
C513	1-126-096-11	ELECT 10MF	20% 25V	C588	1-124-667-11	ELECT 10MF	20% 50V
C514	1-129-718-00	FILM 0.022MF	10% 630V	C589	1-102-030-00	CERAMIC 330PF	10% 500V
C515	1-163-809-11	CERAMIC CHIP 0.047MF	10% 25V	C590	1-126-387-11	ELECT 2.2MF	20% 50V
C516	1-102-030-00	CERAMIC 330PF	10% 500V	C591	1-106-371-00	MYLAR 0.015MF	10% 200V
C517	1-163-024-00	CERAMIC CHIP 0.018MF	10% 50V	C592	1-123-932-00	ELECT 4.7MF	20% 160V
C518	1-107-995-51	ELECT 100MF	0 160V	C593	1-165-319-11	CERAMIC CHIP 0.1MF	50V
C519	1-163-017-00	CERAMIC CHIP 0.0047MF	10% 50V	C594	1-163-229-11	CERAMIC CHIP 12PF	5% 50V
C520	1-163-257-11	CERAMIC CHIP 180PF	5% 50V	C595	1-126-336-11	ELECT 220MF	20% 25V
C521	1-162-114-00	CERAMIC 0.0047MF	2KV	C596	1-124-478-11	ELECT 100MF	20% 25V
C522	1-126-375-11	ELECT 100MF	20% 25V	C597	1-164-346-11	CERAMIC CHIP 1MF	16V
C523	1-126-801-11	ELECT 1MF	20% 50V	C598	1-164-346-11	CERAMIC CHIP 1MF	16V
C525 $\Delta$	1-136-545-11	FILM 0.0078MF	3% 2KV	C599	1-126-157-11	ELECT 10MF	20% 16V
C526 $\Delta$	1-162-116-91	CERAMIC 680PF	10% 2KV	C1300	1-124-477-11	ELECT 47MF	20% 25V
C529	1-104-789-51	ELECT 0.47MF	20% 50V	C1302	1-163-133-00	CERAMIC CHIP 470PF	5% 50V
C530	1-124-120-11	ELECT 220MF	20% 25V	C1303	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V
C531	1-124-477-11	ELECT 47MF	20% 25V	C1305	1-124-477-11	ELECT 47MF	20% 25V
C532	1-163-031-11	CERAMIC CHIP 0.01MF	50V	C1307	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C533	1-102-212-00	CERAMIC 820PF	10% 500V	C1308	1-124-907-11	ELECT 10MF	20% 50V
C534	1-123-948-00	ELECT 22MF	20% 250V	C1311	1-124-477-11	ELECT 10MF	20% 25V
C535	1-163-125-00	CERAMIC CHIP 220PF	5% 50V	C1313	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C537	1-124-913-11	ELECT 470MF	20% 50V	C1314	1-124-477-11	ELECT 47MF	20% 25V
C538	1-106-367-00	MYLAR 0.01MF	10% 100V	C1316	1-163-031-11	CERAMIC CHIP 0.01MF	50V
C539	1-130-480-00	FILM 0.0056MF	5% 50V	C1317	1-124-477-11	ELECT 47MF	20% 25V
C540	1-163-133-00	CERAMIC CHIP 470PF	5% 50V				

## A (PVM-1350)

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
C1318	1-124-477-11	ELECT 47MF	20% 25V	C1517	1-126-101-11	ELECT 100MF	20% 10V
C1319	1-163-037-11	CERAMIC CHIP 0.022MF	10% 25V	C1518	1-124-477-11	ELECT 47MF	20% 16V
C1320	1-124-477-11	ELECT 47MF	20% 25V	C1519	1-163-037-11	CERAMIC CHIP 0.022MF	10% 25V
C1321	1-124-477-11	ELECT 47MF	20% 25V				
C1322	1-124-120-11	ELECT 220MF	20% 16V				
C1323	1-163-031-11	CERAMIC CHIP 0.01MF	50V			<CONNECTOR>	
C1324	1-163-031-11	CERAMIC CHIP 0.01MF	50V	CN101	*1-573-979-11	CONNECTOR, BOARD TO BOARD 11P	
C1326	1-124-477-11	ELECT 47MF	20% 25V	CN102	*1-564-514-11	PLUG, CONNECTOR 11P	
C1327	1-163-031-11	CERAMIC CHIP 0.01MF	50V	CN201	*1-564-506-11	PLUG, CONNECTOR 3P	
C1328	1-163-031-11	CERAMIC CHIP 0.01MF	50V	CN301	*1-564-514-11	PLUG, CONNECTOR 11P	
C1329	1-124-907-11	ELECT 10MF	20% 50V	CN302	*1-564-510-11	PLUG, CONNECTOR 7P	
C1330	1-163-031-11	CERAMIC CHIP 0.01MF	50V	CN305	*1-565-504-11	CONNECTOR, BOARD TO BOARD 13P	
C1331	1-124-477-11	ELECT 47MF	20% 25V	CN401	*1-564-511-51	PLUG, CONNECTOR 8P	
C1332	1-124-477-11	ELECT 47MF	20% 25V	CN402	*1-564-515-11	PLUG, CONNECTOR 12P	
C1333	1-124-477-11	ELECT 47MF	20% 25V	CN501	*1-580-798-11	CONNECTOR PIN (DY) 6P	
C1334	1-163-227-11	CERAMIC CHIP 10PF	0.5PF 50V	CN502	*1-573-964-11	PIN, CONNECTOR (PC BOARD) 6P	
C1335	1-124-477-11	ELECT 47MF	20% 25V	CN503	*1-573-964-11	PIN, CONNECTOR (PC BOARD) 6P	
C1336	1-124-477-11	ELECT 47MF	20% 25V	CN504	*1-564-508-11	PLUG, CONNECTOR 5P	
C1338	1-163-031-11	CERAMIC CHIP 0.01MF	50V	CN505	*1-564-506-11	PLUG, CONNECTOR 3P	
C1339	1-163-031-11	CERAMIC CHIP 0.01MF	50V	CN506	*1-564-506-11	PLUG, CONNECTOR 3P	
C1340	1-163-031-11	CERAMIC CHIP 0.01MF	50V	CN507	*1-535-419-00	TAB, FASTEN (PCB)	
C1342	1-102-963-00	CERAMIC 33PF	5% 50V			<COMPOSITION CIRCUIT BLOCK>	
C1344	1-163-083-00	CERAMIC CHIP 1PF	0.25PF 50V	CP303	1-466-162-61	FILTER BLOCK, COM (CFB-4)	
C1345	1-124-907-11	ELECT 10MF	20% 50V			<DIODE>	
C1353	1-163-031-11	CERAMIC CHIP 0.01MF	50V	D101	8-719-800-76	DIODE 1SS226	
C1354	1-163-121-00	CERAMIC CHIP 150PF	5% 50V	D102	8-719-800-76	DIODE 1SS226	
C1355	1-163-125-00	CERAMIC CHIP 220PF	5% 50V	D103	8-719-045-70	DIODE 1SV230TPH3	
C1356	1-163-235-11	CERAMIC CHIP 22PF	5% 50V	D104	8-719-800-76	DIODE 1SS226	
C1357	1-124-119-00	ELECT 330MF	20% 16V	D105	8-719-800-76	DIODE 1SS226	
C1358	1-124-477-11	ELECT 47MF	20% 25V	D107	8-719-800-76	DIODE 1SS226	
C1359	1-163-263-11	CERAMIC CHIP 330PF	5% 50V	D109	8-719-801-78	DIODE 1SS184	
C1360	1-164-161-11	CERAMIC CHIP 0.0022MF	10% 50V	D110	8-719-404-46	DIODE MA110	
C1363	1-163-235-11	CERAMIC CHIP 22PF	5% 50V	D112	8-719-404-46	DIODE MA110	
C1365	1-163-227-11	CERAMIC CHIP 10PF	0.5PF 50V	D113	8-719-158-07	DIODE RD4.7SB	
C1366	1-124-477-11	ELECT 47MF	20% 25V	D200	8-719-977-46	DIODE DTZ13C	
C1367	1-124-477-11	ELECT 47MF	20% 25V	D300	8-719-025-07	DIODE 1SV232-TPH3	
C1372	1-124-477-11	ELECT 47MF	20% 25V	D301	8-719-404-46	DIODE MA110	
C1373	1-124-477-11	ELECT 47MF	20% 25V	D302	8-719-158-07	DIODE RD4.7SB	
C1374	1-124-477-11	ELECT 47MF	20% 25V	D305	8-719-800-76	DIODE 1SS226	
C1375	1-124-927-11	ELECT 4.7MF	20% 50V	D307	8-719-404-46	DIODE MA110	
C1400	1-163-031-11	CERAMIC CHIP 0.01MF	50V	D309	8-719-404-46	DIODE MA110	
C1401	1-136-173-00	FILM 0.47MF	5% 50V	D311	8-719-045-70	DIODE 1SV230TPH3	
C1402	1-163-031-11	CERAMIC CHIP 0.01MF	50V	D312	8-719-404-46	DIODE MA110	
C1403	1-136-173-00	FILM 0.47MF	5% 50V	D313	8-719-801-78	DIODE 1SS184	
C1404	1-164-299-11	CERAMIC CHIP 0.22MF	10% 25V	D315	8-719-404-46	DIODE MA110	
C1405	1-163-235-11	CERAMIC CHIP 22PF	5% 50V	D317	8-719-404-46	DIODE MA110	
C1406	1-163-090-00	CERAMIC CHIP 7PF	0.25PF 50V	D320	8-719-404-46	DIODE MA110	
C1407	1-163-085-00	CERAMIC CHIP 2PF	0.25PF 50V	D322	8-719-404-46	DIODE MA110	
C1408	1-163-113-00	CERAMIC CHIP 68PF	5% 50V	D323	8-719-404-46	DIODE MA110	
C1500	1-124-473-11	ELECT 1000MF	20% 10V	D327	8-719-104-34	DIODE 1S2836	
C1501	1-124-472-11	ELECT 470MF	20% 10V	D332	8-719-404-46	DIODE MA110	
C1502	1-101-821-00	CERAMIC 0.0022MF	500V	D338	8-719-404-46	DIODE MA110	
C1503	1-164-004-11	CERAMIC CHIP 0.1MF	10% 25V	D345	8-719-104-34	DIODE 1S2836	
C1504	1-124-907-11	ELECT 10MF	20% 50V	D346	8-719-104-34	DIODE 1S2836	
C1506	1-124-119-00	ELECT 330MF	20% 16V	D347	8-719-104-34	DIODE 1S2836	
C1507	1-163-141-00	CERAMIC CHIP 0.001MF	5% 50V	D360	8-719-104-34	DIODE 1S2836	
C1508	1-124-927-11	ELECT 4.7MF	20% 50V	D361	8-719-104-34	DIODE 1S2836	
C1510	1-124-927-11	ELECT 4.7MF	20% 50V	D381	8-719-404-46	DIODE MA110	
C1511	1-164-182-11	CERAMIC CHIP 0.0033MF	10% 50V	D401	8-719-404-46	DIODE MA110	
C1512	1-124-927-11	ELECT 4.7MF	20% 50V				
C1513	1-163-133-00	CERAMIC CHIP 470PF	5% 50V				
C1514	1-130-477-00	MYLAR 0.0033MF	5% 50V				
C1515	1-124-907-11	ELECT 10MF	20% 50V				
C1516	1-163-063-00	CERAMIC CHIP 0.022MF	10% 50V				

## A (PVM-1350)

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
D404	8-719-800-76	DIODE 1SS226		IC101	8-759-196-71	IC UPD78013YCW-Y03	
D405	8-719-801-78	DIODE 1SS184		IC102	8-759-168-37	IC ST24C01B1	
D406	8-719-404-46	DIODE MA110		IC103	8-759-008-48	IC MC74HC86F	
D407	8-719-404-46	DIODE MA110		IC104	8-759-262-59	IC UPD6451AGT-632-E2	
D408	8-719-404-46	DIODE MA110		IC105	8-759-196-70	IC M62358FP-E1	
D410	8-719-404-46	DIODE MA110		IC106	8-759-196-70	IC M62358FP-E1	
D411	8-719-404-46	DIODE MA110		IC107	8-759-196-70	IC M62358FP-E1	
D414	8-719-801-78	DIODE 1SS184		IC108	8-759-042-02	IC S-80743AL-A7-S	
D415	8-719-801-78	DIODE 1SS184		IC109	8-759-196-70	IC M62358FP-E1	
D416	8-719-801-78	DIODE 1SS184		IC110	8-759-196-70	IC M62358FP-E1	
D417	8-719-801-78	DIODE 1SS184		IC111	8-759-009-22	IC MC14094BF	
D418	8-719-801-78	DIODE 1SS184		IC200	8-759-420-04	IC AN5265	
D421	8-719-404-46	DIODE MA110		IC302	8-759-998-98	IC LM358D	
D422	8-719-404-46	DIODE MA110		IC304	8-759-509-19	IC XRU4053BF-E2	
D423	8-719-800-76	DIODE 1SS226		IC305	8-759-631-08	IC M51279FP	
D424	8-719-404-46	DIODE MA110		IC306	8-759-711-32	IC NJM2245M	
D425	8-719-800-76	DIODE 1SS226		IC309	8-759-711-32	IC NJM2245M	
D427	8-719-404-46	DIODE MA110		IC310	8-759-509-19	IC XRU4053BF-E2	
D500	8-719-404-46	DIODE MA110		IC311	8-759-509-05	IC XRU4066BF	
D501	8-719-977-03	DIODE DTZ5.6B		IC312	8-759-711-32	IC NJM2245M	
D502	8-719-979-80	DIODE UF5406		IC313	8-759-048-09	IC MM1149XF	
D503	8-719-404-46	DIODE MA110		IC314	8-759-501-21	IC MM1149XF	
D504	8-719-901-83	DIODE 1SS83		IC318	8-759-509-57	IC XRU4584BF	
D505	8-719-028-72	DIODE RGP02-17EL-6433		IC320	8-759-501-21	IC MM1149XF	
D506	8-719-945-80	DIODE ERC06-15S		IC321	8-759-501-21	IC MM1149XF	
D507	8-719-800-76	DIODE 1SS226		IC322	8-759-501-21	IC MM1149XF	
D508	8-719-800-76	DIODE 1SS226		IC323	8-759-501-21	IC MM1149XF	
D510	8-719-302-43	DIODE EL1Z		IC324	8-759-501-21	IC MM1149XF	
D512	8-719-979-80	DIODE UF5406		IC325	8-759-501-21	IC MM1149XF	
D513	8-719-404-46	DIODE MA110		IC326	8-759-998-96	IC LM324D	
D514	8-719-971-20	DIODE ERC38-06		IC350	8-759-100-96	IC UPC4558G2	
D515	8-719-971-20	DIODE ERC38-06		IC401	8-759-196-69	IC BA7655AF-E2	
D516	8-719-404-46	DIODE MA110		IC402	8-752-053-21	IC CXA1211M	
D517	8-719-404-46	DIODE MA110		IC403	8-759-509-05	IC XRU4066BF	
D518	8-719-404-46	DIODE MA110		IC404	8-752-052-62	IC CXA147SS	
D519	8-719-404-46	DIODE MA110		IC405	8-759-509-19	IC XRU4053BF-E2	
D520	8-719-801-78	DIODE 1SS184		IC406	8-759-998-98	IC LM358D	
D522	8-719-977-05	DIODE DTZ6.2		IC407	8-759-509-05	IC XRU4066BF	
D523	8-719-404-46	DIODE MA110		IC408	8-759-509-91	IC XRA10393F	
D524	8-719-200-02	DIODE 10E-2		IC409	8-759-998-96	IC LM324D	
D525	8-719-200-02	DIODE 10E-2		IC410	8-759-932-64	IC BU4052BF	
D526	8-719-404-46	DIODE MA110		IC411	8-759-008-92	IC MC14024BF	
D527	8-719-200-02	DIODE 10E-2		IC412	8-759-509-19	IC XRU4053BF-E2	
D528	8-719-300-76	DIODE RH-1A		IC413	8-759-509-19	IC XRU4053BF-E2	
D529	8-719-200-02	DIODE 10E-2		IC500	8-749-010-07	IC H8D7248	
D530	8-719-300-76	DIODE RH-1A		IC502	8-759-009-51	IC MC14538BF	
D531	8-719-977-32	DIODE DTZ11B		IC503	8-759-009-51	IC MC14538BF	
D532	8-719-800-76	DIODE 1SS226		IC504	8-752-053-21	IC CXA1211M	
D533	8-719-302-43	DIODE EL1Z		IC505	8-759-520-07	IC XRA17812T	
D534	8-719-404-46	DIODE MA110		IC507	8-759-100-60	IC UPC1377C	
D535	8-719-404-46	DIODE MA110		IC508	8-752-053-21	IC CXA1211M	
D536	8-719-800-76	DIODE 1SS226		IC509	8-759-998-98	IC LM358D	
D538	8-719-800-76	DIODE 1SS226		<COIL>			
D539	8-719-404-46	DIODE MA110		L101	1-408-609-41	INDUCTOR	33UH
D540	8-719-404-46	DIODE MA110		L102	1-408-417-00	INDUCTOR	47UH
<DELAY LINE>				L104	1-410-478-11	INDUCTOR	47UH
DL300	1-415-633-11	DELAY LINE, Y		L300	1-410-478-11	INDUCTOR	47UH
DL301	1-415-632-11	DELAY LINE, Y		L305	1-410-196-11	INDUCTOR CHIP	2.2UH
DL401	1-409-547-11	DELAY LINE		L308	1-410-466-41	INDUCTOR	4.7UH
<IC>				L309	1-410-470-11	INDUCTOR	10UH
				L311	1-410-470-11	INDUCTOR	10UH
				L312	1-412-011-31	INDUCTOR CHIP	27UH

## A (PVM-1350)

Les composants identifiés par  
une trame et une marque  $\Delta$   
sont critiques pour la sécurité.  
Ne les remplacer que par une  
pièce portant le numéro spécifié.

The components identified by  
shading and mark  $\Delta$  are critical  
for safety.  
Replace only with part number  
specified.

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
L314	1-412-011-31	INDUCTOR CHIP 27UH		Q322	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
L316	1-412-011-31	INDUCTOR CHIP 27UH		Q325	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
L320	1-410-478-11	INDUCTOR 47UH		Q326	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
L401	1-410-478-11	INDUCTOR 47UH		Q327	8-729-216-22	TRANSISTOR 2SA1162-G	
L402	1-410-216-31	INDUCTOR CHIP 100UH		Q329	8-729-141-53	TRANSISTOR 2SK94-X2X3X4	
L403	1-410-216-31	INDUCTOR CHIP 100UH		Q330	8-729-216-22	TRANSISTOR 2SA1162-G	
L404	1-410-216-31	INDUCTOR CHIP 100UH		Q331	8-729-216-22	TRANSISTOR 2SA1162-G	
L405	1-408-419-00	INDUCTOR 68UH		Q333	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
L406	1-408-419-00	INDUCTOR 68UH		Q341	8-729-920-39	TRANSISTOR 1MT1US	
L407	1-408-413-00	INDUCTOR 22UH		Q342	8-729-920-39	TRANSISTOR 1MT1US	
L408	1-408-413-00	INDUCTOR 22UH		Q343	8-729-920-39	TRANSISTOR 1MT1US	
L409	1-410-214-31	INDUCTOR CHIP 68UH		Q345	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
L500	1-459-155-00	COIL (WITH CORE) 45UH		Q350	8-729-216-22	TRANSISTOR 2SA1162-G	
L501	1-407-365-00	COIL, CHOKE		Q351	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
L502	1-407-365-00	COIL, CHOKE		Q352	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
L503	1-410-093-11	INDUCTOR 33MMH		Q353	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
L504	1-410-666-31	INDUCTOR 18UH		Q354	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
L505	1-410-671-31	INDUCTOR 47UH		Q360	8-729-907-26	TRANSISTOR 1MX1	
L507	1-410-686-11	INDUCTOR 1MMH		Q361	8-729-901-06	TRANSISTOR DTA144EK	
L508	1-412-530-31	INDUCTOR 27UH		Q363	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
L509	1-459-075-00	COIL, DYNAMIC CONVERSION CHOKE		Q364	8-729-901-01	TRANSISTOR DTC144EK	
L511	1-459-106-00	COIL, DUST CORE		Q365	8-729-901-01	TRANSISTOR DTC144EK	
L512	1-459-155-00	COIL (WITH CORE) 45UH		Q372	8-729-901-01	TRANSISTOR DTC144EK	
L513	1-412-447-11	INDUCTOR 3.9MMH		Q401	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
L514	1-459-104-00	COIL, DUST CORE		Q402	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
L515	1-459-059-00	COIL, DUST CORE		Q403	8-729-901-01	TRANSISTOR DTC144EK	
L516 $\Delta$	1-459-760-13	COIL, HORIZONTAL LINEARITY		Q404	8-729-216-22	TRANSISTOR 2SA1162-G	
L517	1-412-547-21	INDUCTOR 680UH		Q405	8-729-216-22	TRANSISTOR 2SA1162-G	
<NEON LAMP>				Q406	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
NL500	1-519-526-11	LAMP, NEON		Q407	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
<TRANSISTOR>				Q408	8-729-216-22	TRANSISTOR 2SA1162-G	
Q101	8-729-901-01	TRANSISTOR DTC144EK		Q409	8-729-216-22	TRANSISTOR 2SA1162-G	
Q107	8-729-901-06	TRANSISTOR DTA144EK		Q410	8-729-907-26	TRANSISTOR 1MX1	
Q108	8-729-120-28	TRANSISTOR 2SC1623-L5L6		Q411	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q109	8-729-120-28	TRANSISTOR 2SC1623-L5L6		Q412	8-729-216-22	TRANSISTOR 2SA1162-G	
Q110	8-729-120-28	TRANSISTOR 2SC1623-L5L6		Q413	8-729-141-53	TRANSISTOR 2SK94-X2X3X4	
Q111	8-729-901-06	TRANSISTOR DTA144EK		Q414	8-729-216-22	TRANSISTOR 2SA1162-G	
Q112	8-729-120-28	TRANSISTOR 2SC1623-L5L6		Q415	8-729-216-22	TRANSISTOR 2SA1162-G	
Q113	8-729-120-28	TRANSISTOR 2SC1623-L5L6		Q416	8-729-216-22	TRANSISTOR 2SA1162-G	
Q114	8-729-119-78	TRANSISTOR 2SC2785-HFE		Q417	8-729-216-22	TRANSISTOR 2SA1162-G	
Q200	8-729-140-96	TRANSISTOR 2SD774-34		Q418	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q201	8-729-120-28	TRANSISTOR 2SC1623-L5L6		Q419	8-729-216-22	TRANSISTOR 2SA1162-G	
Q300	8-729-120-28	TRANSISTOR 2SC1623-L5L6		Q420	8-729-216-22	TRANSISTOR 2SA1162-G	
Q301	8-729-120-28	TRANSISTOR 2SC1623-L5L6		Q421	8-729-901-01	TRANSISTOR DTC144EK	
Q303	8-729-120-28	TRANSISTOR 2SC1623-L5L6		Q422	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q304	8-729-120-28	TRANSISTOR 2SC1623-L5L6		Q423	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q305	8-729-120-28	TRANSISTOR 2SC1623-L5L6		Q424	8-729-901-01	TRANSISTOR DTC144EK	
Q307	8-729-120-28	TRANSISTOR 2SC1623-L5L6		Q425	8-729-901-01	TRANSISTOR DTC144EK	
Q308	8-729-120-28	TRANSISTOR 2SC1623-L5L6		Q426	8-729-901-01	TRANSISTOR DTC144EK	
Q309	8-729-216-22	TRANSISTOR 2SA1162-G		Q428	8-729-216-22	TRANSISTOR 2SA1162-G	
Q311	8-729-216-22	TRANSISTOR 2SA1162-G		Q429	8-729-216-22	TRANSISTOR 2SA1162-G	
Q312	8-729-120-28	TRANSISTOR 2SC1623-L5L6		Q430	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q313	8-729-216-22	TRANSISTOR 2SA1162-G		Q431	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q315	8-729-216-22	TRANSISTOR 2SA1162-G		Q432	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q316	8-729-120-28	TRANSISTOR 2SC1623-L5L6		Q433	8-729-901-01	TRANSISTOR DTC144EK	
Q317	8-729-120-28	TRANSISTOR 2SC1623-L5L6		Q434	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
Q318	8-729-216-22	TRANSISTOR 2SA1162-G		Q435	8-729-901-01	TRANSISTOR DTC144EK	
Q319	8-729-120-28	TRANSISTOR 2SC1623-L5L6		Q436	8-729-901-01	TRANSISTOR DTC144EK	
Q320	8-729-119-78	TRANSISTOR 2SC2785-HFE		Q437	8-729-901-01	TRANSISTOR DTC144EK	
Q321	8-729-120-28	TRANSISTOR 2SC1623-L5L6		Q438	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
				Q439	8-729-216-22	TRANSISTOR 2SA1162-G	
				Q440	8-729-120-28	TRANSISTOR 2SC1623-L5L6	
				Q441	8-729-141-53	TRANSISTOR 2SK94-X2X3X4	

## A (PVM-1350)

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
Q442	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R139	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q443	8-729-216-22	TRANSISTOR 2SA1162-G		R140	1-216-033-00	METAL GLAZE	220 5% 1/10W
Q444	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R141	1-216-085-00	METAL GLAZE	33K 5% 1/10W
Q445	8-729-901-01	TRANSISTOR DTC144EK		R142	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q500	8-729-216-22	TRANSISTOR 2SA1162-G		R143	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q501	8-729-800-35	TRANSISTOR 2SD1397-CA		R144	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q502	8-729-119-80	TRANSISTOR 2SC2688-LK		R147	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q503	8-729-313-42	TRANSISTOR 2SD1134-C		R149	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
Q504	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R150	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q505	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R151	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W
Q506	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R153	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q507	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R154	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
Q508	8-729-216-22	TRANSISTOR 2SA1162-G		R155	1-249-434-11	CARBON	27K 5% 1/4W
Q511	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R157	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
Q512	8-729-195-82	TRANSISTOR 2SC2958-L		R159	1-216-063-00	METAL GLAZE	3.9K 5% 1/10W
Q513	8-729-122-03	TRANSISTOR 2SA1220A-P		R160	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W
Q515	8-729-169-02	TRANSISTOR 2SC2690A-Q		R162	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
Q517	8-729-901-06	TRANSISTOR DTA144EK		R163	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
Q519	8-729-901-01	TRANSISTOR DTC144EK		R164	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W
Q520	8-729-905-67	TRANSISTOR 2SD1944-K		R165	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q522	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R167	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W
Q523	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R170	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q524	8-729-119-78	TRANSISTOR 2SC2785-HFE		R173	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q525	8-729-119-76	TRANSISTOR 2SA1175-HFE		R175	1-216-295-00	METAL GLAZE	0 5% 1/10W
Q526	8-729-216-22	TRANSISTOR 2SA1162-G		R177	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
Q527	8-729-120-28	TRANSISTOR 2SC1623-L5L6		R180	1-216-295-00	METAL GLAZE	0 5% 1/10W
<RESISTOR>				R181	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
JR122	1-216-295-00	METAL GLAZE	0 5% 1/10W	R183	1-216-295-00	METAL GLAZE	0 5% 1/10W
JR123	1-216-295-00	METAL GLAZE	0 5% 1/10W	R185	1-216-073-00	METAL GLAZE	10K 5% 1/10W
JR302	1-216-295-00	METAL GLAZE	0 5% 1/10W	R187	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W
JR306	1-216-295-00	METAL GLAZE	0 5% 1/10W	R188	1-216-295-00	METAL GLAZE	0 5% 1/10W
R101	1-216-025-00	METAL GLAZE	100 5% 1/10W	R189	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R102	1-216-025-00	METAL GLAZE	100 5% 1/10W	R190	1-216-049-00	METAL GLAZE	1K 5% 1/10W
R103	1-216-025-00	METAL GLAZE	100 5% 1/10W	R192	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R104	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R193	1-216-295-00	METAL GLAZE	0 5% 1/10W
R105	1-216-059-00	METAL GLAZE	2.7K 5% 1/10W	R195	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W
R106	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R197	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W
R108	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R198	1-216-295-00	METAL GLAZE	0 5% 1/10W
R109	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R199	1-216-295-00	METAL GLAZE	0 5% 1/10W
R110	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R200	1-216-684-11	METAL CHIP	24K 0.50% 1/10W
R111	1-216-295-00	METAL GLAZE	0 5% 1/10W	R201	1-216-049-00	METAL GLAZE	1K 5% 1/10W
R112	1-216-295-00	METAL GLAZE	0 5% 1/10W	R202	1-212-857-00	FUSIBLE	10 5% 1/4W F
R113	1-216-085-00	METAL GLAZE	33K 5% 1/10W	R203	1-260-095-11	CARBON	470 5% 1/2W
R114	1-216-295-00	METAL GLAZE	0 5% 1/10W	R204	1-260-072-11	CARBON	4.7 5% 1/2W
R115	1-216-295-00	METAL GLAZE	0 5% 1/10W	R205	1-216-647-11	METAL CHIP	680 0.50% 1/10W
R116	1-218-761-11	METAL CHIP	240K 0.50% 1/10W	R206	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R117	1-216-089-91	METAL GLAZE	47K 5% 1/10W	R207	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R118	1-216-295-00	METAL GLAZE	0 5% 1/10W	R208	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R119	1-216-689-11	METAL GLAZE	39K 5% 1/10W	R209	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R120	1-216-295-00	METAL GLAZE	0 5% 1/10W	R210	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W
R121	1-216-295-00	METAL GLAZE	0 5% 1/10W	R211	1-249-393-11	CARBON	10 5% 1/4W F
R123	1-216-295-00	METAL GLAZE	0 5% 1/10W	R237	1-216-089-91	METAL GLAZE	47K 5% 1/10W
R125	1-216-295-00	METAL GLAZE	0 5% 1/10W	R302	1-216-025-00	METAL GLAZE	100 5% 1/10W
R128	1-216-295-00	METAL GLAZE	0 5% 1/10W	R304	1-216-025-00	METAL GLAZE	100 5% 1/10W
R129	1-216-295-00	METAL GLAZE	0 5% 1/10W	R307	1-216-115-00	METAL GLAZE	560K 5% 1/10W
R130	1-216-101-00	METAL GLAZE	150K 5% 1/10W	R308	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R131	1-216-295-00	METAL GLAZE	0 5% 1/10W	R312	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R132	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R313	1-216-649-11	METAL CHIP	820 0.50% 1/10W
R134	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R314	1-216-099-00	METAL GLAZE	120K 5% 1/10W
R136	1-216-295-00	METAL GLAZE	0 5% 1/10W	R315	1-216-099-00	METAL GLAZE	120K 5% 1/10W
R137	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R316	1-216-049-00	METAL GLAZE	1K 5% 1/10W
R138	1-216-295-00	METAL GLAZE	0 5% 1/10W	R317	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W
				R318	1-216-049-00	METAL GLAZE	1K 5% 1/10W

## A (PVM-1350)

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
R320	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W	R443	1-216-049-00	METAL GLAZE	1K 5% 1/10W
R321	1-216-051-00	METAL GLAZE	1.2K 5% 1/10W	R444	1-216-105-00	METAL GLAZE	220K 5% 1/10W
R322	1-216-035-00	METAL GLAZE	270 5% 1/10W	R445	1-216-095-00	METAL GLAZE	82K 5% 1/10W
R323	1-216-109-00	METAL GLAZE	330K 5% 1/10W	R447	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W
R324	1-216-101-00	METAL GLAZE	150K 5% 1/10W	R448	1-216-049-00	METAL GLAZE	1K 5% 1/10W
R325	1-216-037-00	METAL GLAZE	330 5% 1/10W	R449	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R326	1-216-033-00	METAL GLAZE	220 5% 1/10W	R450	1-216-121-00	METAL GLAZE	1M 5% 1/10W
R328	1-216-121-00	METAL GLAZE	1M 5% 1/10W	R451	1-216-037-00	METAL GLAZE	330 5% 1/10W
R329	1-216-055-00	METAL GLAZE	1.8K 5% 1/10W	R452	1-216-651-11	METAL CHIP	1K 0.50% 1/10W
R330	1-216-089-91	METAL GLAZE	47K 5% 1/10W	R453	1-216-097-00	METAL GLAZE	100K 5% 1/10W
R331	1-216-093-00	METAL GLAZE	68K 5% 1/10W	R455	1-216-085-00	METAL GLAZE	33K 5% 1/10W
R334	1-216-093-00	METAL GLAZE	68K 5% 1/10W	R456	1-216-053-00	METAL GLAZE	1.5K 5% 1/10W
R335	1-216-083-00	METAL GLAZE	27K 5% 1/10W	R457	1-216-025-00	METAL GLAZE	100 5% 1/10W
R336	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R458	1-216-113-00	METAL GLAZE	470K 5% 1/10W
R342	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R459	1-216-649-11	METAL CHIP	820 0.50% 1/10W
R345	1-216-063-00	METAL GLAZE	3.9K 5% 1/10W	R460	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R346	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W	R462	1-216-651-11	METAL CHIP	1K 0.50% 1/10W
R350	1-216-085-00	METAL GLAZE	33K 5% 1/10W	R463	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R366	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R464	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R376	1-216-111-00	METAL GLAZE	390K 5% 1/10W	R465	1-216-025-00	METAL GLAZE	100 5% 1/10W
R378	1-216-111-00	METAL GLAZE	390K 5% 1/10W	R466	1-216-077-00	METAL GLAZE	15K 5% 1/10W
R382	1-216-107-00	METAL GLAZE	270K 5% 1/10W	R467	1-216-121-00	METAL GLAZE	1M 5% 1/10W
R387	1-216-029-00	METAL GLAZE	150 5% 1/10W	R468	1-216-105-00	METAL GLAZE	220K 5% 1/10W
R388	1-216-033-00	METAL GLAZE	220 5% 1/10W	R469	1-216-063-00	METAL GLAZE	3.9K 5% 1/10W
R393	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R470	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W
R394	1-216-083-00	METAL GLAZE	27K 5% 1/10W	R471	1-216-109-00	METAL GLAZE	330K 5% 1/10W
R397	1-216-113-00	METAL GLAZE	470K 5% 1/10W	R472	1-216-077-00	METAL GLAZE	15K 5% 1/10W
R398	1-216-105-00	METAL GLAZE	220K 5% 1/10W	R473	1-216-121-00	METAL GLAZE	1M 5% 1/10W
R399	1-216-111-00	METAL GLAZE	390K 5% 1/10W	R474	1-216-649-11	METAL CHIP	820 0.50% 1/10W
R401	1-216-053-00	METAL GLAZE	1.5K 5% 1/10W	R475	1-216-025-00	METAL GLAZE	100 5% 1/10W
R402	1-216-053-00	METAL GLAZE	1.5K 5% 1/10W	R476	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W
R403	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W	R477	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W
R406	1-216-083-00	METAL GLAZE	27K 5% 1/10W	R478	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R407	1-216-085-00	METAL GLAZE	33K 5% 1/10W	R479	1-216-085-00	METAL GLAZE	33K 5% 1/10W
R408	1-216-689-11	METAL CHIP	39K 0.50% 1/10W	R480	1-216-077-00	METAL GLAZE	15K 5% 1/10W
R410	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W	R481	1-216-033-00	METAL GLAZE	220 5% 1/10W
R411	1-216-033-00	METAL GLAZE	220 5% 1/10W	R482	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W
R412	1-216-089-91	METAL GLAZE	47K 5% 1/10W	R483	1-216-025-00	METAL GLAZE	100 5% 1/10W
R413	1-216-668-11	METAL CHIP	5.1K 0.50% 1/10W	R484	1-216-651-11	METAL CHIP	1K 0.50% 1/10W
R416	1-216-113-00	METAL GLAZE	470K 5% 1/10W	R485	1-216-033-00	METAL GLAZE	220 5% 1/10W
R417	1-216-665-11	METAL CHIP	3.9K 0.50% 1/10W	R486	1-216-681-11	METAL CHIP	18K 0.50% 1/10W
R418	1-216-667-11	METAL CHIP	4.7K 0.50% 1/10W	R487	1-216-653-11	METAL CHIP	1.2K 0.50% 1/10W
R419	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R488	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R420	1-216-689-11	METAL GLAZE	39K 5% 1/10W	R489	1-216-077-00	METAL GLAZE	15K 5% 1/10W
R422	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R490	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W
R423	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R491	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W
R424	1-216-033-00	METAL GLAZE	220 5% 1/10W	R492	1-216-085-00	METAL GLAZE	33K 5% 1/10W
R425	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R493	1-216-295-00	METAL GLAZE	0 5% 1/10W
R426	1-216-039-00	METAL GLAZE	390 5% 1/10W	R494	1-216-085-00	METAL GLAZE	33K 5% 1/10W
R427	1-216-033-00	METAL GLAZE	220 5% 1/10W	R495	1-216-651-11	METAL CHIP	1K 0.50% 1/10W
R428	1-216-097-00	METAL GLAZE	100K 5% 1/10W	R496	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R429	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R497	1-216-653-11	METAL CHIP	1.2K 0.50% 1/10W
R430	1-216-119-00	METAL GLAZE	820K 5% 1/10W	R498	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W
R431	1-216-097-00	METAL GLAZE	100K 5% 1/10W	R499	1-216-033-00	METAL GLAZE	220 5% 1/10W
R432	1-216-089-91	METAL GLAZE	47K 5% 1/10W	R500	1-216-689-11	METAL GLAZE	39K 5% 1/10W
R434	1-216-109-00	METAL GLAZE	330K 5% 1/10W	R502	1-216-677-11	METAL CHIP	12K 0.50% 1/10W
R435	1-216-105-00	METAL GLAZE	220K 5% 1/10W	R503	1-216-677-11	METAL CHIP	12K 0.50% 1/10W
R436	1-216-113-00	METAL GLAZE	470K 5% 1/10W	R504	1-216-111-00	METAL GLAZE	390K 5% 1/10W
R437	1-216-097-00	METAL GLAZE	100K 5% 1/10W	R505	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W
R438	1-216-053-00	METAL GLAZE	1.5K 5% 1/10W	R506	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R439	1-216-033-00	METAL GLAZE	220 5% 1/10W	R507	1-216-083-00	METAL GLAZE	27K 5% 1/10W
R440	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R508	1-216-105-00	METAL GLAZE	220K 5% 1/10W
R441	1-216-645-11	METAL CHIP	560 0.50% 1/10W	R509	1-216-089-91	METAL GLAZE	47K 5% 1/10W
R442	1-216-647-11	METAL CHIP	680 0.50% 1/10W				



## A (PVM-1350)

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
R510	1-216-097-00	METAL GLAZE	100K 5% 1/10W	R586	1-216-686-11	METAL CHIP	30K 0.50% 1/10W
R511	1-216-099-00	METAL GLAZE	120K 5% 1/10W	R587	1-216-675-11	METAL CHIP	10K 0.50% 1/10W
R512	1-216-055-00	METAL GLAZE	1.8K 5% 1/10W	R588	1-216-077-00	METAL GLAZE	15K 5% 1/10W
R513	1-216-295-00	METAL GLAZE	0 5% 1/10W	R589	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W
R514	1-216-295-00	METAL GLAZE	0 5% 1/10W	R590	1-216-081-00	METAL GLAZE	22K 5% 1/10W
R515	1-216-675-11	METAL CHIP	10K 0.50% 1/10W	R591	1-216-683-11	METAL CHIP	22K 0.50% 1/10W
R516	1-216-697-11	METAL CHIP	82K 0.50% 1/10W	R592	1-247-688-11	CARBON	10 5% 1/4W F
R517	1-214-888-00	METAL	10K 1% 1/2W	R593	1-216-647-11	METAL CHIP	680 0.50% 1/10W
R518	1-260-123-11	CARBON	100K 5% 1/2W	R594	1-260-104-91	CARBON	2.7K 5% 1/2W
R519	1-216-017-00	METAL GLAZE	47 5% 1/10W	R595	1-216-689-11	METAL GLAZE	39K 5% 1/10W
R520	1-249-423-11	CARBON	3.3K 5% 1/4W F	R596	1-214-754-00	METAL	11K 1% 1/4W
R521	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R597	1-249-417-11	CARBON	1K 5% 1/4W F
R522	1-260-111-11	CARBON	10K 5% 1/2W	R598	1-216-085-00	METAL GLAZE	33K 5% 1/10W
R523	1-215-892-11	METAL OXIDE	1K 5% 2W F	R599	1-216-645-11	METAL CHIP	560 0.50% 1/10W
R524	1-216-093-00	METAL GLAZE	68K 5% 1/10W	R1102	1-216-295-00	METAL GLAZE	0 5% 1/10W
R525	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W	R1103	1-216-077-00	METAL GLAZE	15K 5% 1/10W
R528	1-216-089-91	METAL GLAZE	47K 5% 1/10W	R1104	1-216-699-11	METAL CHIP	100K 0.50% 1/10W
R529	1-216-089-91	METAL GLAZE	47K 5% 1/10W	R1105	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R530	1-216-367-11	METAL OXIDE	0.68 5% 2W F	R1106	1-216-097-00	METAL GLAZE	100K 5% 1/10W
R531	1-216-077-00	METAL GLAZE	15K 5% 1/10W	R1107	1-216-059-00	METAL GLAZE	2.7K 5% 1/10W
R532	1-215-919-71	METAL OXIDE	2.2K 5% 3W F	R1108	1-216-681-11	METAL CHIP	18K 0.50% 1/10W
R533	1-247-723-11	CARBON	6.8K 5% 1/4W F	R1109	1-216-295-00	METAL GLAZE	0 5% 1/10W
R534	1-216-085-00	METAL GLAZE	33K 5% 1/10W	R1110	1-216-295-00	METAL GLAZE	0 5% 1/10W
R535	1-249-448-11	CARBON	1.2 5% 1/4W F	R1113	1-216-081-00	METAL GLAZE	22K 5% 1/10W
R538	1-216-077-00	METAL GLAZE	15K 5% 1/10W	R1118	1-216-113-00	METAL GLAZE	470K 5% 1/10W
R539	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R1123	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W
R540	1-216-113-00	METAL GLAZE	470K 5% 1/10W	R1124	1-216-113-00	METAL GLAZE	470K 5% 1/10W
R541	1-249-383-11	CARBON	1.5 5% 1/4W F	R1125	1-216-049-00	METAL GLAZE	1K 5% 1/10W
R542	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W	R1128	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R543	1-212-883-00	FUSIBLE	120 5% 1/4W F	R1129	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W
R544	1-216-095-00	METAL GLAZE	82K 5% 1/10W	R1131	1-216-049-00	METAL GLAZE	1K 5% 1/10W
R545	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R1132	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W
R546	1-249-425-11	CARBON	4.7K 5% 1/4W F	R1134	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R548	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W	R1135	1-216-295-00	METAL GLAZE	0 5% 1/10W
R549	1-216-677-11	METAL CHIP	12K 0.50% 1/10W	R1136	1-216-097-00	METAL GLAZE	100K 5% 1/10W
R550	1-216-053-00	METAL GLAZE	1.5K 5% 1/10W	R1139	1-216-055-00	METAL GLAZE	1.8K 5% 1/10W
R551	1-216-077-00	METAL GLAZE	15K 5% 1/10W	R1140	1-216-653-11	METAL CHIP	1.2K 0.50% 1/10W
R552	1-216-033-00	METAL GLAZE	220 5% 1/10W	R1141	1-216-083-00	METAL GLAZE	27K 5% 1/10W
R553	1-216-083-00	METAL GLAZE	27K 5% 1/10W	R1142	1-216-653-11	METAL CHIP	1.2K 0.50% 1/10W
R554	1-216-095-00	METAL GLAZE	82K 5% 1/10W	R1143	1-216-653-11	METAL CHIP	1.2K 0.50% 1/10W
R555	1-216-692-11	METAL CHIP	51K 0.50% 1/10W	R1144	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R556	1-216-464-11	METAL OXIDE	18K 5% 2W F	R1145	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W
R557	1-216-081-00	METAL GLAZE	22K 5% 1/10W	R1146	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W
R558	1-247-711-11	CARBON	680 5% 1/4W F	R1147	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W
R559	1-216-109-00	METAL GLAZE	330K 5% 1/10W	R1148	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R560	1-216-091-00	METAL GLAZE	56K 5% 1/10W	R1150	1-216-037-00	METAL GLAZE	330 5% 1/10W
R561	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R1151	1-216-081-00	METAL GLAZE	22K 5% 1/10W
R563	1-216-017-00	METAL GLAZE	47 5% 1/10W	R1155	1-216-133-00	METAL GLAZE	3.3M 5% 1/10W
R564	1-216-107-00	METAL GLAZE	270K 5% 1/10W	R1163	1-216-033-00	METAL GLAZE	220 5% 1/10W
R565	1-216-033-00	METAL GLAZE	220 5% 1/10W	R1164	1-216-049-00	METAL GLAZE	1K 5% 1/10W
R567	1-216-081-00	METAL GLAZE	22K 5% 1/10W	R1165	1-216-049-00	METAL GLAZE	1K 5% 1/10W
R568	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R1166	1-216-295-00	METAL GLAZE	0 5% 1/10W
R569	1-260-114-11	CARBON	18K 5% 1/2W	R1171	1-216-085-00	METAL GLAZE	33K 5% 1/10W
R571	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R1172	1-216-085-00	METAL GLAZE	33K 5% 1/10W
R572	1-216-059-00	METAL GLAZE	2.7K 5% 1/10W	R1176	1-216-295-00	METAL GLAZE	0 5% 1/10W
R573	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W	R1177	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W
R574	1-216-689-11	METAL GLAZE	39K 5% 1/10W	R1178	1-216-295-00	METAL GLAZE	0 5% 1/10W
R576	1-216-101-00	METAL GLAZE	150K 5% 1/10W	R1179	1-216-041-00	METAL GLAZE	470 5% 1/10W
R578	1-216-693-11	METAL CHIP	56K 0.50% 1/10W	R1180	1-216-089-91	METAL GLAZE	47K 5% 1/10W
R580	1-216-105-00	METAL GLAZE	220K 5% 1/10W	R1181	1-216-295-00	METAL GLAZE	0 5% 1/10W
R582	1-216-085-00	METAL GLAZE	33K 5% 1/10W	R1182	1-216-131-11	METAL GLAZE	2.7M 5% 1/10W
R583	1-216-039-00	METAL GLAZE	390 5% 1/10W	R1183	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W
R584	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W	R1184	1-216-131-11	METAL GLAZE	2.7M 5% 1/10W
R585	1-216-033-00	METAL GLAZE	220 5% 1/10W				

## A (PVM-1350)

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
R1185	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W	R1363	1-216-113-00	METAL GLAZE	470K 5% 1/10W
R1186	1-216-131-11	METAL GLAZE	2.7M 5% 1/10W	R1365	1-216-131-11	METAL GLAZE	2.7M 5% 1/10W
R1187	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W	R1366	1-216-081-00	METAL GLAZE	22K 5% 1/10W
R1188	1-216-131-11	METAL GLAZE	2.7M 5% 1/10W	R1367	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W
R1189	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W	R1368	1-216-059-00	METAL GLAZE	2.7K 5% 1/10W
R1190	1-216-131-11	METAL GLAZE	2.7M 5% 1/10W	R1369	1-216-051-00	METAL GLAZE	1.2K 5% 1/10W
R1191	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W	R1370	1-216-105-00	METAL GLAZE	220K 5% 1/10W
R1192	1-216-131-11	METAL GLAZE	2.7M 5% 1/10W	R1371	1-216-113-00	METAL GLAZE	470K 5% 1/10W
R1193	1-216-025-00	METAL GLAZE	100 5% 1/10W	R1372	1-249-437-11	CARBON	47K 5% 1/4W
R1194	1-216-085-00	METAL GLAZE	33K 5% 1/10W	R1373	1-216-063-00	METAL GLAZE	3.9K 5% 1/10W
R1195	1-216-025-00	METAL GLAZE	100 5% 1/10W	R1374	1-216-101-00	METAL GLAZE	150K 5% 1/10W
R1196	1-216-085-00	METAL GLAZE	33K 5% 1/10W	R1375	1-216-645-11	METAL CHIP	560 0.50% 1/10W
R1197	1-216-025-00	METAL GLAZE	100 5% 1/10W	R1376	1-216-647-11	METAL CHIP	680 0.50% 1/10W
R1198	1-216-085-00	METAL GLAZE	33K 5% 1/10W	R1377	1-216-055-00	METAL GLAZE	1.8K 5% 1/10W
R1304	1-216-689-11	METAL GLAZE	39K 5% 1/10W	R1378	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R1305	1-216-033-00	METAL GLAZE	220 5% 1/10W	R1379	1-216-037-00	METAL GLAZE	330 5% 1/10W
R1306	1-216-645-11	METAL CHIP	560 0.50% 1/10W	R1380	1-216-645-11	METAL CHIP	560 0.50% 1/10W
R1307	1-216-091-00	METAL GLAZE	56K 5% 1/10W	R1381	1-216-647-11	METAL CHIP	680 0.50% 1/10W
R1308	1-216-645-11	METAL CHIP	560 0.50% 1/10W	R1383	1-216-681-11	METAL CHIP	18K 0.50% 1/10W
R1309	1-216-025-00	METAL GLAZE	100 5% 1/10W	R1384	1-216-091-00	METAL GLAZE	56K 5% 1/10W
R1310	1-216-025-00	METAL GLAZE	100 5% 1/10W	R1385	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R1311	1-216-089-91	METAL GLAZE	47K 5% 1/10W	R1386	1-216-077-00	METAL GLAZE	15K 5% 1/10W
R1312	1-216-027-00	METAL GLAZE	120 5% 1/10W	R1387	1-216-653-11	METAL CHIP	1.2K 0.50% 1/10W
R1313	1-216-097-00	METAL GLAZE	100K 5% 1/10W	R1388	1-216-689-11	METAL CHIP	39K 0.50% 1/10W
R1314	1-216-081-00	METAL GLAZE	22K 5% 1/10W	R1389	1-216-657-11	METAL CHIP	1.8K 0.50% 1/10W
R1316	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R1390	1-216-647-11	METAL CHIP	680 0.50% 1/10W
R1317	1-216-041-00	METAL GLAZE	470 5% 1/10W	R1391	1-216-025-00	METAL GLAZE	100 5% 1/10W
R1318	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W	R1392	1-216-041-00	METAL GLAZE	470 5% 1/10W
R1319	1-216-085-00	METAL GLAZE	33K 5% 1/10W	R1393	1-216-063-00	METAL GLAZE	3.9K 5% 1/10W
R1320	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R1394	1-216-041-00	METAL GLAZE	470 5% 1/10W
R1323	1-216-097-00	METAL GLAZE	100K 5% 1/10W	R1395	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W
R1328	1-216-125-00	METAL GLAZE	1.5M 5% 1/10W	R1396	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W
R1329	1-216-103-91	METAL GLAZE	180K 5% 1/10W	R1397	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R1330	1-216-081-00	METAL GLAZE	22K 5% 1/10W	R1398	1-216-295-00	METAL GLAZE	0 5% 1/10W
R1331	1-216-679-11	METAL CHIP	15K 0.50% 1/10W	R1399	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R1332	1-216-671-11	METAL CHIP	6.8K 0.50% 1/10W	R1401	1-216-085-00	METAL GLAZE	33K 5% 1/10W
R1333	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R1402	1-216-295-00	METAL GLAZE	0 5% 1/10W
R1334	1-216-063-00	METAL GLAZE	3.9K 5% 1/10W	R1403	1-216-651-11	METAL CHIP	1K 0.50% 1/10W
R1335	1-249-401-11	CARBON	47 5% 1/4W	R1404	1-216-681-11	METAL CHIP	18K 0.50% 1/10W
R1336	1-216-095-00	METAL GLAZE	82K 5% 1/10W	R1405	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W
R1337	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W	R1406	1-216-653-11	METAL CHIP	1.2K 0.50% 1/10W
R1338	1-216-647-11	METAL CHIP	680 0.50% 1/10W	R1407	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W
R1339	1-216-033-00	METAL GLAZE	220 5% 1/10W	R1408	1-216-113-00	METAL GLAZE	470K 5% 1/10W
R1340	1-216-033-00	METAL GLAZE	220 5% 1/10W	R1409	1-216-295-00	METAL GLAZE	0 5% 1/10W
R1341	1-216-033-00	METAL GLAZE	220 5% 1/10W	R1410	1-216-053-00	METAL GLAZE	1.5K 5% 1/10W
R1342	1-216-083-00	METAL GLAZE	27K 5% 1/10W	R1413	1-216-081-00	METAL GLAZE	22K 5% 1/10W
R1343	1-216-037-00	METAL GLAZE	330 5% 1/10W	R1414	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W
R1344	1-216-093-00	METAL GLAZE	68K 5% 1/10W	R1415	1-216-093-00	METAL GLAZE	68K 5% 1/10W
R1345	1-216-109-00	METAL GLAZE	330K 5% 1/10W	R1416	1-216-113-00	METAL GLAZE	470K 5% 1/10W
R1346	1-216-097-00	METAL GLAZE	100K 5% 1/10W	R1417	1-216-033-00	METAL GLAZE	220 5% 1/10W
R1347	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R1418	1-216-033-00	METAL GLAZE	220 5% 1/10W
R1348	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W	R1419	1-216-025-00	METAL GLAZE	100 5% 1/10W
R1349	1-216-035-00	METAL GLAZE	270 5% 1/10W	R1420	1-216-089-91	METAL GLAZE	47K 5% 1/10W
R1350	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R1421	1-216-649-11	METAL CHIP	820 0.50% 1/10W
R1351	1-216-033-00	METAL GLAZE	220 5% 1/10W	R1422	1-216-085-00	METAL GLAZE	33K 5% 1/10W
R1352	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R1423	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W
R1353	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R1424	1-216-081-00	METAL GLAZE	22K 5% 1/10W
R1354	1-216-089-91	METAL GLAZE	47K 5% 1/10W	R1425	1-216-013-00	METAL GLAZE	33 5% 1/10W
R1355	1-216-033-00	METAL GLAZE	220 5% 1/10W	R1426	1-216-113-00	METAL GLAZE	470K 5% 1/10W
R1356	1-216-105-00	METAL GLAZE	220K 5% 1/10W	R1427	1-216-681-11	METAL CHIP	18K 0.50% 1/10W
R1357	1-216-101-00	METAL GLAZE	150K 5% 1/10W	R1428	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W
R1359	1-216-099-00	METAL GLAZE	120K 5% 1/10W	R1429	1-216-668-11	METAL CHIP	5.1K 0.50% 1/10W
R1360	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R1430	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R1361	1-216-113-00	METAL GLAZE	470K 5% 1/10W				

The components identified by shading and mark **▲** are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque **▲** sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

PVM-1350/1351Q/1354Q

## A (PVM-1350)

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
R1431	1-216-129-00	METAL GLAZE	2.2M 5% 1/10W	R1498	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W
R1432	1-216-089-91	METAL GLAZE	47K 5% 1/10W	R1499	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W
R1434	1-216-295-00	METAL GLAZE	0 5% 1/10W	R1500	1-216-647-11	METAL CHIP	680 0.50% 1/10W
R1436	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R1501	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W
R1437	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W	R1502	1-260-105-11	CARBON	3.3K 5% 1/2W
R1438	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R1503	1-216-063-00	METAL GLAZE	3.9K 5% 1/10W
R1439	1-216-059-00	METAL GLAZE	2.7K 5% 1/10W	R1504	1-216-686-11	METAL CHIP	30K 0.50% 1/10W
R1440	1-216-041-00	METAL GLAZE	470 5% 1/10W	R1505	1-247-688-11	CARBON	10 5% 1/4W F
R1441	1-216-033-00	METAL GLAZE	220 5% 1/10W	R1506	1-216-037-00	METAL GLAZE	330 5% 1/10W
R1442	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R1507	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R1443	1-216-013-00	METAL GLAZE	33 5% 1/10W	R1508	1-216-689-11	METAL GLAZE	39K 5% 1/10W
R1444	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W	R1510	1-216-077-00	METAL GLAZE	15K 5% 1/10W
R1445	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W	R1511	1-216-360-11	METAL OXIDE	8.2 5% 1W F
R1446	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W	R1512	1-216-647-11	METAL CHIP	680 0.50% 1/10W
R1447	1-216-081-00	METAL GLAZE	22K 5% 1/10W	R1513	1-247-752-11	CARBON	1K 5% 1/2W F
R1448	1-216-085-00	METAL GLAZE	33K 5% 1/10W	R1514	1-247-711-11	CARBON	680 5% 1/4W F
R1449	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W	R1515	1-216-350-11	METAL OXIDE	1.2 5% 1W F
R1450	1-216-129-00	METAL GLAZE	2.2M 5% 1/10W	R1518	1-215-867-00	METAL OXIDE	470 5% 1W F
R1451	1-216-093-00	METAL GLAZE	68K 5% 1/10W	R1519	1-216-355-11	METAL OXIDE	3.3 5% 1W F
R1452	1-216-085-00	METAL GLAZE	33K 5% 1/10W	R1520	1-216-007-00	METAL GLAZE	18 5% 1/10W
R1453	1-216-013-00	METAL GLAZE	33 5% 1/10W	R1521	1-216-029-00	METAL GLAZE	150 5% 1/10W
R1454	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R1522	1-249-400-11	CARBON	39 5% 1/4W F
R1455	1-216-113-00	METAL GLAZE	470K 5% 1/10W	R1523	1-216-350-11	METAL OXIDE	1.2 5% 1W F
R1456	1-216-129-00	METAL GLAZE	2.2M 5% 1/10W	R1524	1-216-427-00	METAL OXIDE	120 5% 1W F
R1457	1-216-089-91	METAL GLAZE	47K 5% 1/10W	R1525	1-216-083-00	METAL GLAZE	27K 5% 1/10W
R1458	1-216-085-00	METAL GLAZE	33K 5% 1/10W	R1526	1-216-089-91	METAL GLAZE	47K 5% 1/10W
R1459	1-216-133-00	METAL GLAZE	3.3M 5% 1/10W	R1527	1-249-413-11	CARBON	470 5% 1/4W F
R1460	1-216-097-00	METAL GLAZE	100K 5% 1/10W	R1528	1-215-869-11	METAL OXIDE	1K 5% 1W F
R1461	1-216-645-11	METAL CHIP	560 0.50% 1/10W	R1529	1-202-829-11	SOLID	8.2K 20% 1/2W
R1462	1-216-645-11	METAL CHIP	560 0.50% 1/10W	R1530	1-216-115-00	METAL GLAZE	560K 5% 1/10W
R1463	1-216-645-11	METAL CHIP	560 0.50% 1/10W	R1531	1-247-697-11	CARBON	56 5% 1/4W F
R1464	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W	R1532	1-216-059-00	METAL GLAZE	2.7K 5% 1/10W
R1465	1-216-097-00	METAL GLAZE	100K 5% 1/10W	R1533	1-249-414-11	CARBON	560 5% 1/4W F
R1466	1-216-055-00	METAL GLAZE	1.8K 5% 1/10W	R1535 ▲			
R1467	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R1536 ▲			
R1468	1-249-438-11	CARBON	56K 5% 1/4W	R1537	1-249-389-11	CARBON	4.7 5% 1/4W F
R1469	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W	R1538	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R1470	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W	R1539	1-216-689-11	METAL GLAZE	39K 5% 1/10W
R1471	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R1540	1-216-105-00	METAL GLAZE	220K 5% 1/10W
R1472	1-216-085-00	METAL GLAZE	33K 5% 1/10W	R1541	1-216-081-00	METAL GLAZE	22K 5% 1/10W
R1473	1-216-081-00	METAL GLAZE	22K 5% 1/10W	R1542	1-216-111-00	METAL GLAZE	390K 5% 1/10W
R1474	1-216-687-11	METAL CHIP	33K 0.50% 1/10W	R1543	1-216-027-00	METAL GLAZE	120 5% 1/10W
R1475	1-216-677-11	METAL CHIP	12K 0.50% 1/10W	R1544	1-216-117-00	METAL GLAZE	680K 5% 1/10W
R1476	1-216-063-00	METAL GLAZE	3.9K 5% 1/10W	R1545	1-216-101-00	METAL GLAZE	150K 5% 1/10W
R1477	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W	R1547	1-216-393-00	METAL OXIDE	2.2 5% 3W F
R1478	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W	R1549	1-260-094-11	CARBON	390 5% 1/2W
R1479	1-216-295-00	METAL GLAZE	0 5% 1/10W	R1550	1-216-105-00	METAL GLAZE	220K 5% 1/10W
R1480	1-216-089-91	METAL GLAZE	47K 5% 1/10W	R1551	1-249-393-11	CARBON	10 5% 1/4W F
R1481	1-216-115-00	METAL GLAZE	560K 5% 1/10W	R1552	1-216-049-00	METAL GLAZE	1K 5% 1/10W
R1482	1-216-089-91	METAL GLAZE	47K 5% 1/10W	R1554	1-216-059-00	METAL GLAZE	2.7K 5% 1/10W
R1483	1-216-089-91	METAL GLAZE	47K 5% 1/10W	R1555	1-216-295-00	METAL GLAZE	0 5% 1/10W
R1484	1-216-081-00	METAL GLAZE	22K 5% 1/10W	R1556	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W
R1485	1-216-113-00	METAL GLAZE	470K 5% 1/10W	R1557	1-218-760-11	METAL CHIP	220K 0.50% 1/10W
R1486	1-216-121-00	METAL GLAZE	1M 5% 1/10W	R1558	1-249-393-11	CARBON	10 5% 1/4W F
R1487	1-216-113-00	METAL GLAZE	470K 5% 1/10W	R1559	1-249-393-11	CARBON	10 5% 1/4W F
R1488	1-216-083-00	METAL GLAZE	27K 5% 1/10W	R1560	1-216-049-00	METAL GLAZE	1K 5% 1/10W
R1489	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W	R1561	1-216-681-11	METAL CHIP	18K 0.50% 1/10W
R1490	1-216-035-00	METAL GLAZE	270 5% 1/10W	R1562	1-214-964-00	METAL	1M 1% 1/4W
R1491	1-216-035-00	METAL GLAZE	270 5% 1/10W	R1563	1-214-964-00	METAL	1M 1% 1/4W
R1492	1-216-035-00	METAL GLAZE	270 5% 1/10W	R1564	1-216-681-11	METAL CHIP	18K 0.50% 1/10W
R1493	1-216-083-00	METAL GLAZE	27K 5% 1/10W	R1567	1-216-089-91	METAL GLAZE	47K 5% 1/10W
R1494	1-216-081-00	METAL GLAZE	22K 5% 1/10W	R1574	1-216-041-00	METAL GLAZE	470 5% 1/10W
R1495	1-216-089-91	METAL GLAZE	47K 5% 1/10W	R1575	1-216-025-00	METAL GLAZE	100 5% 1/10W
R1497	1-216-113-00	METAL GLAZE	470K 5% 1/10W	R1576	1-216-025-00	METAL GLAZE	100 5% 1/10W
				R1577	1-216-025-00	METAL GLAZE	100 5% 1/10W

- The components identified by **■** in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

**A (PVM-1350)**

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
R1578	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R2383	1-216-033-00	METAL GLAZE	220 5% 1/10W
R1579	1-216-689-11	METAL GLAZE	39K 5% 1/10W	R2384	1-216-689-11	METAL GLAZE	39K 5% 1/10W
R2300	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R2389	1-216-033-00	METAL GLAZE	220 5% 1/10W
R2301	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R2390	1-216-647-11	METAL CHIP	680 0.50% 1/10W
R2306	1-216-089-91	METAL GLAZE	47K 5% 1/10W	R2391	1-216-647-11	METAL CHIP	680 0.50% 1/10W
R2307	1-216-033-00	METAL GLAZE	220 5% 1/10W	R2394	1-216-081-00	METAL GLAZE	22K 5% 1/10W
R2308	1-216-103-91	METAL GLAZE	180K 5% 1/10W	R2396	1-216-041-00	METAL GLAZE	470 5% 1/10W
R2309	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R2397	1-216-113-00	METAL GLAZE	470K 5% 1/10W
R2311	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R2398	1-216-109-00	METAL GLAZE	330K 5% 1/10W
R2312	1-216-053-00	METAL GLAZE	1.5K 5% 1/10W	R2399	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R2315	1-216-679-11	METAL CHIP	15K 0.50% 1/10W	R2501	1-216-083-00	METAL GLAZE	27K 5% 1/10W
R2316	1-216-081-00	METAL GLAZE	22K 5% 1/10W	R2502	1-216-077-00	METAL GLAZE	15K 5% 1/10W
R2317	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R2551	1-216-091-00	METAL GLAZE	56K 5% 1/10W
R2320	1-216-677-11	METAL CHIP	12K 0.50% 1/10W	R2552	1-216-085-00	METAL GLAZE	33K 5% 1/10W
R2323	1-216-683-11	METAL CHIP	22K 0.50% 1/10W	R2553	1-216-083-00	METAL GLAZE	27K 5% 1/10W
R2325	1-216-063-00	METAL GLAZE	3.9K 5% 1/10W	R2555	1-216-055-00	METAL GLAZE	1.8K 5% 1/10W
R2326	1-216-041-00	METAL GLAZE	470 5% 1/10W	R2556	1-216-051-00	METAL GLAZE	1.2K 5% 1/10W
R2327	1-216-059-00	METAL GLAZE	2.7K 5% 1/10W	R2557	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W
R2328	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R2558	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W
R2329	1-216-059-00	METAL GLAZE	2.7K 5% 1/10W	R2559	1-216-039-00	METAL GLAZE	390 5% 1/10W
R2330	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R2560	1-216-069-00	METAL GLAZE	6.8K 5% 1/10W
R2331	1-216-059-00	METAL GLAZE	2.7K 5% 1/10W	R2561	1-216-001-00	METAL GLAZE	10 5% 1/10W
R2332	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R2562	1-216-001-00	METAL GLAZE	10 5% 1/10W
R2334	1-216-041-00	METAL GLAZE	470 5% 1/10W	R2563	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W
R2335	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W	R3301	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R2336	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W	R3302	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R2337	1-216-037-00	METAL GLAZE	330 5% 1/10W	R3303	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R2338	1-216-073-00	METAL GLAZE	10K 5% 1/10W	R3304	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R2339	1-216-037-00	METAL GLAZE	330 5% 1/10W	R3308	1-216-097-00	METAL GLAZE	100K 5% 1/10W
R2341	1-216-037-00	METAL GLAZE	330 5% 1/10W	R3310	1-216-049-00	METAL GLAZE	1K 5% 1/10W
R2342	1-216-071-00	METAL GLAZE	8.2K 5% 1/10W	R3311	1-216-091-00	METAL GLAZE	56K 5% 1/10W
R2344	1-216-121-00	METAL GLAZE	1M 5% 1/10W	R3312	1-216-105-00	METAL GLAZE	220K 5% 1/10W
R2346	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W	R3314	1-216-295-00	METAL GLAZE	0 5% 1/10W
R2347	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W	R3315	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R2348	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W	R3316	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R2349	1-216-679-11	METAL CHIP	15K 0.50% 1/10W	R3317	1-216-103-91	METAL GLAZE	180K 5% 1/10W
R2350	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W	R3318	1-216-065-00	METAL GLAZE	4.7K 5% 1/10W
R2351	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W	R3319	1-216-027-00	METAL GLAZE	120 5% 1/10W
R2352	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W	R3321	1-216-677-11	METAL CHIP	12K 0.50% 1/10W
R2353	1-216-041-00	METAL GLAZE	470 5% 1/10W	R3322	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R2354	1-216-025-00	METAL GLAZE	100 5% 1/10W	R3333	1-216-113-00	METAL GLAZE	470K 5% 1/10W
R2354	1-216-681-11	METAL CHIP	18K 0.50% 1/10W	R3337	1-216-099-00	METAL GLAZE	120K 5% 1/10W
R2356	1-216-089-91	METAL GLAZE	47K 5% 1/10W	R3338	1-218-759-11	METAL CHIP	200K 0.50% 1/10W
R2357	1-216-095-00	METAL GLAZE	82K 5% 1/10W	R3341	1-216-083-00	METAL GLAZE	27K 5% 1/10W
R2358	1-216-025-00	METAL GLAZE	100 5% 1/10W	R3346	1-216-025-00	METAL GLAZE	100 5% 1/10W
R2359	1-216-097-00	METAL GLAZE	100K 5% 1/10W	R3347	1-216-025-00	METAL GLAZE	100 5% 1/10W
R2360	1-216-689-11	METAL GLAZE	39K 5% 1/10W	R3348	1-216-025-00	METAL GLAZE	100 5% 1/10W
R2362	1-216-081-00	METAL GLAZE	22K 5% 1/10W	R3349	1-216-025-00	METAL GLAZE	100 5% 1/10W
R2364	1-216-025-00	METAL GLAZE	100 5% 1/10W	R3350	1-216-113-00	METAL GLAZE	470K 5% 1/10W
R2366	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W	R3351	1-216-119-00	METAL GLAZE	820K 5% 1/10W
R2367	1-216-093-00	METAL GLAZE	68K 5% 1/10W	R3365	1-216-081-00	METAL GLAZE	22K 5% 1/10W
R2369	1-216-083-00	METAL GLAZE	27K 5% 1/10W	R3376	1-216-081-00	METAL GLAZE	22K 5% 1/10W
R2370	1-216-081-00	METAL GLAZE	22K 5% 1/10W	R3377	1-216-107-00	METAL GLAZE	270K 5% 1/10W
R2371	1-216-049-00	METAL GLAZE	1K 5% 1/10W	R3378	1-216-115-00	METAL GLAZE	560K 5% 1/10W
R2372	1-216-113-00	METAL GLAZE	470K 5% 1/10W	R3390	1-216-057-00	METAL GLAZE	2.2K 5% 1/10W
R2374	1-216-097-00	METAL GLAZE	100K 5% 1/10W	R3394	1-216-089-91	METAL GLAZE	47K 5% 1/10W
R2375	1-216-089-91	METAL GLAZE	47K 5% 1/10W	R3395	1-249-417-11	CARBON	1K 5% 1/4W
R2376	1-216-089-91	METAL GLAZE	47K 5% 1/10W	R3396	1-216-041-00	METAL GLAZE	470 5% 1/10W
R2377	1-216-033-00	METAL GLAZE	220 5% 1/10W	R3397	1-216-041-00	METAL GLAZE	470 5% 1/10W
R2378	1-216-089-91	METAL GLAZE	47K 5% 1/10W	R3398	1-216-101-00	METAL GLAZE	150K 5% 1/10W
R2379	1-216-033-00	METAL GLAZE	220 5% 1/10W	R4401	1-216-085-00	METAL GLAZE	33K 5% 1/10W
R2380	1-216-089-91	METAL GLAZE	47K 5% 1/10W	R4402	1-216-113-00	METAL GLAZE	470K 5% 1/10W
R2381	1-216-089-91	METAL GLAZE	47K 5% 1/10W	R4404	1-216-073-00	METAL GLAZE	10K 5% 1/10W
R2382	1-216-089-91	METAL GLAZE	47K 5% 1/10W				

The components identified by shading and mark  $\Delta$  are critical for safety.  
Replace only with part number specified.

Les composants identifiés par une trame et une marque  $\Delta$  sont critiques pour la sécurité.  
Ne les remplacer que par une pièce portant le numéro spécifié.

PVM-1350/1351Q/1354Q

A (PVM-1350)

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REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
R4405	1-216-067-00	METAL GLAZE	5.6K 5% 1/10W	C628	1-136-067-00	FILM	0.0036MF 3% 2KV
R4407	1-216-061-00	METAL GLAZE	3.3K 5% 1/10W	C629	1-124-887-00	CERAMIC	0.001MF 10% 3KV
R4408	1-216-059-00	METAL GLAZE	2.7K 5% 1/10W	C630	1-102-973-00	CERAMIC	100PF 5% 50V
R4409	1-216-059-00	METAL GLAZE	2.7K 5% 1/10W	C631	1-161-973-00	CERAMIC	220PF 10% 400V
R4410	1-216-059-00	METAL GLAZE	2.7K 5% 1/10W	C632	1-162-599-12	CERAMIC	0.0047MF 20% 400V
R4411	1-216-113-00	METAL GLAZE	470K 5% 1/10W	C633	1-162-599-12	CERAMIC	0.0047MF 20% 400V
R4412	1-216-113-00	METAL GLAZE	470K 5% 1/10W	C634	1-102-125-00	CERAMIC	0.0047MF 10% 50V
R4413	1-216-295-00	METAL GLAZE	0 5% 1/10W	C635	1-124-903-11	ELECT	1MF 20% 50V
R4415	1-216-295-00	METAL GLAZE	0 5% 1/10W	C636	1-126-801-11	ELECT	1MF 20% 50V
R4416	1-216-295-00	METAL GLAZE	0 5% 1/10W	C637	1-102-030-00	CERAMIC	330PF 10% 500V
<VARIABLE RESISTOR>				C638	1-102-030-00	CERAMIC	330PF 10% 500V
RV501	1-223-102-00	RES. ADJ. WIREWOUND 120		C639	1-104-783-51	ELECT	1000MF 20% 25V
<TRANSFORMER>				C640	1-128-386-11	ELECT	1000MF 20% 25V
T500	1-426-668-11	TRANSFORMER, FERRITE (HDT)		C641	1-106-343-00	MYLAR	0.001MF 10% 100V
T501	1-453-163-11	TRANSFORMER ASSY, FLYBACK		C642	1-102-030-00	CERAMIC	330PF 10% 500V
<THERMISTOR>				C643	1-104-884-11	ELECT	470MF 20% 50V
TH500	1-807-970-11	THERMISTOR		C644	1-102-030-00	CERAMIC	330PF 10% 500V
<CRYSTAL>				C645	1-162-131-11	CERAMIC	220PF 10% 2KV
X101	1-579-175-11	VIBRATOR, CERAMIC		C646	1-102-973-00	CERAMIC	100PF 5% 50V
X301	1-527-722-00	OSCILLATOR, CRYSTAL		C647	1-126-385-11	ELECT	390MF 20% 16V
*****				C648	1-125-494-11	ELECT (BLOCK)	560MF 20% 160V
*A-1316-174-A G BOARD, COMPLETE				C649	1-126-803-11	ELECT	47MF 20% 16V
*****				C650	1-126-103-11	ELECT	470MF 20% 16V
1-533-189-11	HOLDER, FUSE			C651	1-126-101-11	ELECT	100MF 20% 16V
4-363-414-00	SPACER, MICA			C652	1-124-667-11	ELECT	10MF 20% 50V
4-382-854-11	SCREW (M3X10), P, SW (+)			C653	1-136-169-00	FILM	0.22MF 5% 50V
<CAPACITOR>				C654	1-161-953-71	CERAMIC	0.0047MF 20% 400V
C601	1-161-953-71	CERAMIC	0.0047MF 20% 400V	C655	1-161-953-71	CERAMIC	0.0047MF 20% 400V
C602	1-161-953-71	CERAMIC	0.0047MF 20% 400V	C656	1-161-953-71	CERAMIC	0.0047MF 20% 400V
C603	1-161-953-71	CERAMIC	0.0047MF 20% 400V	C657	1-102-965-00	CERAMIC	39PF 50V
C604	1-161-953-71	CERAMIC	0.0047MF 20% 400V	C658	1-161-953-71	CERAMIC	0.0047MF 20% 400V
C605	1-104-706-51	FILM	0.22MF 20% 250V	C659	1-102-123-00	CERAMIC	0.0033MF 10% 50V
C606	1-124-907-11	ELECT	10MF 20% 50V	C660	1-124-791-11	ELECT	1MF 20% 100V
C607	1-124-798-11	ELECT	1MF 20% 160V	C661	1-130-467-00	MYLAR	470PF 5% 50V
C608	1-129-765-00	FILM	0.047MF 10% 200V	<CONNECTOR>			
C609	1-124-126-00	ELECT	47MF 20% 10V	CN601	1-691-960-11	PIN, CONNECTOR (PC BOARD) 3P	
C610	1-124-902-00	ELECT	0.47MF 20% 50V	CN602	*1-695-561-11	PIN, CONNECTOR (PC BOARD) 7P	
C611	1-130-729-00	FILM	0.0027MF 5% 50V	CN603	1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P	
C612	1-107-722-11	ELECT	470MF 20% 400V	CN605	*1-573-964-11	PIN, CONNECTOR (PC BOARD) 6P	
C613	1-104-706-51	FILM	0.22MF 20% 250V	CN606	*1-564-508-11	PLUG, CONNECTOR 5P	
C614	1-102-978-00	CERAMIC	220PF 5% 50V	CN609	*1-506-371-00	PIN, CONNECTOR 2P	
C615	1-104-706-51	FILM	0.22MF 20% 250V	<DIODE>			
C616	1-162-318-11	CERAMIC	0.001MF 10% 500V	D601	8-719-510-53	DIODE D4SB60L	
C618	1-124-907-11	ELECT	10MF 20% 50V	D602	8-719-300-33	DIODE RU-3AM	
C619	1-162-116-00	CERAMIC	680PF 10% 2KV	D603	8-719-110-90	DIODE RD39ESB4	
C620	1-162-116-00	CERAMIC	680PF 10% 2KV	D604	8-719-110-90	DIODE RD39ESB4	
C621	1-136-153-00	FILM	0.01MF 5% 50V	D605	8-719-109-97	DIODE RD6.8ESB2	
C622	1-126-773-21	ELECT	47MF 20% 250V	D606	8-719-118-34	DIODE RD110EB	
C623	1-162-318-11	CERAMIC	0.001MF 10% 500V	D607	8-719-110-41	DIODE RD15ESB2	
C624	1-124-477-11	ELECT	47MF 20% 16V	D608	8-719-300-33	DIODE RU-3AM	
C625	1-161-973-00	CERAMIC	220PF 10% 400V	D610	8-719-200-02	DIODE 10E-2	
C627	1-136-066-00	FILM	0.003MF 3% 2KV	D611	8-719-300-33	DIODE RU-3AM	
				D615	8-719-300-33	DIODE RU-3AM	
				D616	8-719-911-19	DIODE 1SS119	
				D617	8-719-911-19	DIODE 1SS119	
				D618	8-719-908-03	DIODE GP08D	
				D619	8-719-110-41	DIODE RD15ESB2	
				D620	8-719-045-48	DIODE FML-G12S	
				D621	8-719-911-19	DIODE 1SS119	
				D622	8-719-979-58	DIODE EGP10D	
				D623	8-719-045-48	DIODE FML-G12S	

G

\* : Selected to yield optimum performance.

Les composants identifiés par une trame et une marque  $\Delta$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by shading and mark  $\Delta$  are critical for safety. Replace only with part number specified.

REF.NO.	PART NO.	DESCRIPTION	REMARK	REF.NO.	PART NO.	DESCRIPTION	REMARK
D625	8-719-016-42	DIODE MC932		R619	1-216-444-11	METAL OXIDE 82K 5% 1W	F
D626	8-719-109-71	DIODE RD3.9ESB1		R620	1-216-444-11	METAL OXIDE 82K 5% 1W	F
D628	8-719-979-50	DIODE EGP30D		R621	1-249-427-11	CARBON 6.8K 5% 1/4W	
D629	8-719-979-85	DIODE EGP20G		R622	1-217-190-21	WIREWOUND 0.15 10% 2W	F
D630	8-719-911-19	DIODE 1SS119		R623	1-249-393-11	CARBON 10 5% 1/4W	
D631	8-719-911-19	DIODE 1SS119		R624	1-247-887-00	CARBON 220K 5% 1/4W	
				R625	1-247-887-00	CARBON 220K 5% 1/4W	
		<FERRITE BEAD>		R626	1-249-436-11	CARBON 39K 5% 1/4W	
FB601A	1-543-190-11	BEAD, FERRITE		R627	1-249-429-11	CARBON 10K 5% 1/4W	
FB602A	1-543-190-11	BEAD, FERRITE		R628	1-214-777-00	METAL 100K 1% 1/4W	
FB603	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH		R629	1-247-891-00	CARBON 330K 5% 1/4W	
FB604A	1-543-190-11	BEAD, FERRITE		R630	1-249-424-11	CARBON 3.9K 5% 1/4W	
FB605A	1-543-190-11	BEAD, FERRITE		R631	1-249-429-11	CARBON 10K 5% 1/4W	
		<IC>		R632	1-247-885-00	CARBON 180K 5% 1/4W	
IC601	8-759-100-75	IC UPC1394C		R633	1-249-412-11	CARBON 390 5% 1/4W	
IC602	8-759-255-41	IC MM1108XS		R634	1-211-867-11	WIREWOUND 180 5% 10W	
IC603	8-759-927-49	IC IR9431		R635	1-249-441-11	CARBON 100K 5% 1/4W	
IC604	8-759-924-12	IC LN7805CT		R636	1-247-753-11	CARBON 1.2K 5% 1/2W	F
		<COIL>		R637	1-216-491-11	METAL OXIDE 56K 5% 3W	F
L603	1-410-645-31	INDUCTOR 100UH		R638	1-216-491-11	METAL OXIDE 56K 5% 3W	F
L604	1-407-365-00	COIL, CHOKE		R641	1-211-868-11	WIREWOUND 2.2K 5% 10W	
L605	1-410-645-31	INDUCTOR 100UH		R642	1-247-807-31	CARBON 100 5% 1/4W	
		<PHOTO COUPLER>		R643	1-249-423-11	CARBON 3.3K 5% 1/4W	
PH602	8-749-923-50	PHOTO COUPLER PC111YS		R644	1-249-417-11	CARBON 1K 5% 1/4W	
PH606	8-749-923-50	PHOTO COUPLER PC111YS		R645	1-218-265-11	METAL GLAZE 8.2M 5% 1W	
		<TRANSISTOR>		R646	1-249-417-11	CARBON 1K 5% 1/4W	
Q601	8-729-119-78	TRANSISTOR 2SC2785-WFE		R647	1-260-121-11	CARBON 68K 5% 1/2W	
Q602	8-729-119-80	TRANSISTOR 2SC2688-LK		R648	1-249-443-11	CARBON 0.47 5% 1/4W	F
Q603	8-729-119-80	TRANSISTOR 2SC2688-LK		R649	1-260-097-11	CARBON 680 5% 1/2W	
Q605	8-729-119-80	TRANSISTOR 2SC2688-LK		R650	1-249-422-11	CARBON 2.7K 5% 1/4W	
Q606	8-729-802-14	TRANSISTOR 2SC3460		R652	1-247-895-00	CARBON 470K 5% 1/4W	
Q607	8-729-140-96	TRANSISTOR 2SD774-34		R653	1-260-124-11	CARBON 120K 5% 1/2W	
Q609	8-729-905-67	TRANSISTOR 2SD1944-K		R654	1-215-924-71	METAL OXIDE 15K 5% 3W	F
Q610	8-729-209-03	TRANSISTOR 2SC2551-RO		R655	1-249-440-11	CARBON 82K 5% 1/4W	
Q611	8-729-200-17	TRANSISTOR 2SA1091-0		R656	1-247-883-00	CARBON 150K 5% 1/4W	
		<RESISTOR>		R659	1-249-443-11	CARBON 0.47 5% 1/4W	F
R601	$\Delta$ 1-260-123-91	CARBON 100K 5% 1/2W		R660	1-215-427-00	METAL 1.8K 1% 1/4W	
R602	$\Delta$ 1-260-123-91	CARBON 100K 5% 1/2W		R661	1-215-412-00	METAL 430 1% 1/4W	
R603	1-249-427-11	CARBON 6.8K 5% 1/4W		R662	1-260-123-11	CARBON 100K 5% 1/2W	
R604	$\Delta$ 1-214-937-55	METAL 1M 1% 1/2W		R663	1-260-089-11	CARBON 150 5% 1/2W	
R605	1-249-434-11	CARBON 27K 5% 1/4W		R664	1-216-390-71	METAL OXIDE 1.2 5% 3W	F
R606	1-260-111-11	CARBON 10K 5% 1/2W		R665	1-216-390-71	METAL OXIDE 1.2 5% 3W	F
R607	1-205-943-11	WIREWOUND 1 5% 20W		R666	1-216-368-11	METAL OXIDE 0.82 5% 2W	F
R608	1-260-127-11	CARBON 220K 5% 1/2W		R667	1-205-943-11	WIREWOUND 1 5% 20W	
R609	1-215-922-11	METAL OXIDE 6.8K 5% 3W	F	R669	1-215-415-00	METAL 560 1% 1/4W	
R610	1-215-922-11	METAL OXIDE 6.8K 5% 3W	F	R670	1-249-435-11	CARBON 33K 5% 1/4W	
R611	1-215-457-00	METAL 33K 1% 1/4W		R671	1-249-429-11	CARBON 10K 5% 1/4W	
R612	1-202-719-00	SOLID 1M 20% 1/2W		R672	1-215-469-00	METAL 100K 1% 1/4W	
R613	1-202-720-00	SOLID 1.2M 20% 1/2W		R673	1-249-437-11	CARBON 47K 5% 1/4W	
R614	1-249-423-11	CARBON 3.3K 5% 1/4W		R674	1-247-889-00	CARBON 270K 5% 1/4W	
R615	1-260-322-11	CARBON 330 5% 1/2W		R675	1-249-429-11	CARBON 10K 5% 1/4W	
R616	1-247-710-11	CARBON 560 5% 1/4W	F	R676	1-247-883-00	CARBON 150K 5% 1/4W	
R617	1-214-716-00	METAL 300 1% 1/4W		R677	1-260-120-11	CARBON 56K 5% 1/2W	
R618	1-249-496-11	CARBON 100K 5% 1/2W	F	R678	1-249-436-11	CARBON 39K 5% 1/4W	
				*R690	1-214-721-00	METAL 470 1% 1/4W	
				*R690	1-215-414-00	METAL 510 1% 1/4W	
				*R690	1-214-723-00	METAL 560 1% 1/4W	
				*R690	1-214-127-00	METAL 620 1% 1/4W	
				*R690	1-214-725-00	METAL 680 1% 1/4W	
				*R690	1-215-418-00	METAL 750 1% 1/4W	
				*R690	1-214-727-00	METAL 820 1% 1/4W	
				*R690	1-214-728-11	METAL 910 1% 1/4W	
				*R690	1-214-729-00	METAL 1K 1% 1/4W	
				*R690	1-214-730-00	METAL 1.1K 1% 1/4W	



The components identified by shading and mark  $\Delta$  are critical for safety.  
Replace only with part number specified.

Les composants identifiés par une trame et une marque  $\Delta$  sont critiques pour la sécurité.  
Ne les remplacer que par une pièce portant le numéro spécifié.

PVM-1350/1351Q/1354Q

G C

\* \* : Selected to yield optimum performance.

REF.NO.	PART NO.	DESCRIPTION	REMARK
*R690	1-214-731-00	METAL 1.2K 1% 1/4W	
*R690	1-214-732-00	METAL 1.3K 1% 1/4W	
*R690	1-214-733-00	METAL 1.5K 1% 1/4W	
*R690	1-215-426-00	METAL 1.6K 1% 1/4W	
*R690	1-214-735-00	METAL 1.8K 1% 1/4W	
*R690	1-214-736-00	METAL 2K 1% 1/4W	
*R690	1-214-737-00	METAL 2.2K 1% 1/4W	
*R690	1-214-739-00	METAL 2.7K 1% 1/4W	
*R690	1-214-741-00	METAL 3.3K 1% 1/4W	
*R690	1-214-743-00	METAL 3.9K 1% 1/4W	
*R690	1-214-745-00	METAL 4.7K 1% 1/4W	
*R690	1-214-747-00	METAL 5.6K 1% 1/4W	
*R690	1-214-749-00	METAL 6.8K 1% 1/4W	
<VARIABLE RESISTOR>			
RV601	1-241-759-21	RES, ADJ, CARBON 220	
<RELAY>			
RY601	1-515-601-11	RELAY	
<TRANSFORMER>			
T601	1-426-716-11	TRANSFORMER, LINE FILTER (LFT)	
T602	1-426-716-11	TRANSFORMER, LINE FILTER (LFT)	
T603	1-437-090-00	HDT	
T604	1-426-665-11	TRANSFORMER, CONVERTER (SRT)	
<THERMISTOR>			
TH601	1-807-973-11	THERMISTOR	
TH602	1-807-973-11	THERMISTOR	
THP601	1-808-059-32	THERMISTOR, POSITIVE	
*****			
*A-1331-299-A		C BOARD, COMPLETE	
*****			
*4-374-912-01		COVER (MAIN), CV VOL	
*4-374-913-01		COVER (REAR LID), CV VOL	
<CAPACITOR>			
C701	1-102-157-00	CERAMIC 560PF 10% 500V	
C702	1-102-157-00	CERAMIC 560PF 10% 500V	
C703	1-102-157-00	CERAMIC 560PF 10% 500V	
C704	1-102-121-00	CERAMIC 0.0022MF 10% 50V	
C705	1-126-101-11	ELECT 100MF 20% 16V	
C706	1-102-074-00	CERAMIC 0.001MF 10% 50V	
C707	1-162-116-00	CERAMIC 680PF 10% 2KV	
C708	1-136-601-11	FILM 0.01MF 5% 630V	
C710	1-101-880-00	CERAMIC 47PF 5% 50V	
C711	1-101-880-00	CERAMIC 47PF 5% 50V	
C712	1-101-880-00	CERAMIC 47PF 5% 50V	
C713	1-123-946-00	ELECT 4.7MF 20% 250V	
C714	1-102-976-00	CERAMIC 180PF 5% 50V	
C715	1-102-976-00	CERAMIC 180PF 5% 50V	
C716	1-102-976-00	CERAMIC 180PF 5% 50V	
C717	1-106-399-00	MYLAR 0.22MF 10% 200V	
C718	1-106-399-00	MYLAR 0.22MF 10% 200V	
C720	1-108-700-11	MYLAR 0.047MF 10% 200V	
C734	1-102-973-00	CERAMIC 100PF 5% 50V	
C735	1-102-816-00	CERAMIC 120PF 5% 50V	
C736	1-102-816-00	CERAMIC 120PF 5% 50V	

REF.NO.	PART NO.	DESCRIPTION	REMARK
<CONNECTOR>			
CN701	*1-564-511-51	PLUG, CONNECTOR 8P	
CN702	*1-573-964-11	PIN, CONNECTOR (PC BOARD) 6P	
CN703	*1-691-134-11	PIN, CONNECTOR (PC BOARD) 2P	
<DIODE>			
D701	8-719-911-19	DIODE 1SS119	
D702	8-719-911-19	DIODE 1SS119	
D703	8-719-911-19	DIODE 1SS119	
D704	8-719-911-19	DIODE 1SS119	
D705	8-719-911-19	DIODE 1SS119	
D706	8-719-911-19	DIODE 1SS119	
D707	8-719-901-83	DIODE 1SS83	
D708	8-719-901-83	DIODE 1SS83	
D709	8-719-901-83	DIODE 1SS83	
D713	8-719-901-83	DIODE 1SS83	
D715	8-719-901-83	DIODE 1SS83	
D716	8-719-901-83	DIODE 1SS83	
D717	8-719-901-83	DIODE 1SS83	
<JACK>			
J701	$\Delta$ 1-526-819-11	SOCKET, PICTURE TUBE	
<COIL>			
L701	1-410-667-31	INDUCTOR 22UH	
L705	1-412-532-11	INDUCTOR 39UH	
<TRANSISTOR>			
Q701	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q702	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q703	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q704	8-729-200-17	TRANSISTOR 2SA1091-0	
Q705	8-729-200-17	TRANSISTOR 2SA1091-0	
Q706	8-729-200-17	TRANSISTOR 2SA1091-0	
Q707	8-729-326-11	TRANSISTOR 2SC2611	
Q708	8-729-326-11	TRANSISTOR 2SC2611	
Q709	8-729-326-11	TRANSISTOR 2SC2611	
Q710	8-729-200-17	TRANSISTOR 2SA1091-0	
Q711	8-729-200-17	TRANSISTOR 2SA1091-0	
Q712	8-729-200-17	TRANSISTOR 2SA1091-0	
Q713	8-729-255-12	TRANSISTOR 2SC2551-0	
Q714	8-729-255-12	TRANSISTOR 2SC2551-0	
Q715	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q716	8-729-119-78	TRANSISTOR 2SC2785-HFE	
Q717	8-729-119-78	TRANSISTOR 2SC2785-HFE	
<RESISTOR>			
R702	1-247-903-00	CARBON 1M 5% 1/4W	
R704	1-215-405-00	METAL 220 1% 1/4W	
R705	1-215-405-00	METAL 220 1% 1/4W	
R706	1-215-405-00	METAL 220 1% 1/4W	
R707	1-249-431-11	CARBON 15K 5% 1/4W	
R708	1-249-431-11	CARBON 15K 5% 1/4W	
R709	1-249-431-11	CARBON 15K 5% 1/4W	
R710	1-215-391-00	METAL 56 1% 1/4W	
R711	1-215-394-00	METAL 75 1% 1/4W	
R712	1-215-392-00	METAL 62 1% 1/4W	

C	H	J
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— 122 —

# PVM-1350/1351Q/1354Q

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## **SONY.** **SERVICE MANUAL**

*US Model*  
*Canadian Model*

*PVM-1350*

*Serial No. 2,003,651 and Higher*

*Chassis No. SCC-G61D-A*

*PVM-1351Q*

*Serial No. 2,004,051 and Higher*

*Chassis No. SCC-G61C-A*

*PVM-1354Q*

*Serial No. 2,006,601 and Higher*

*Chassis No. SCC-G61B-A*

## **SUPPLEMENT-1**

File this supplement with the service manual.

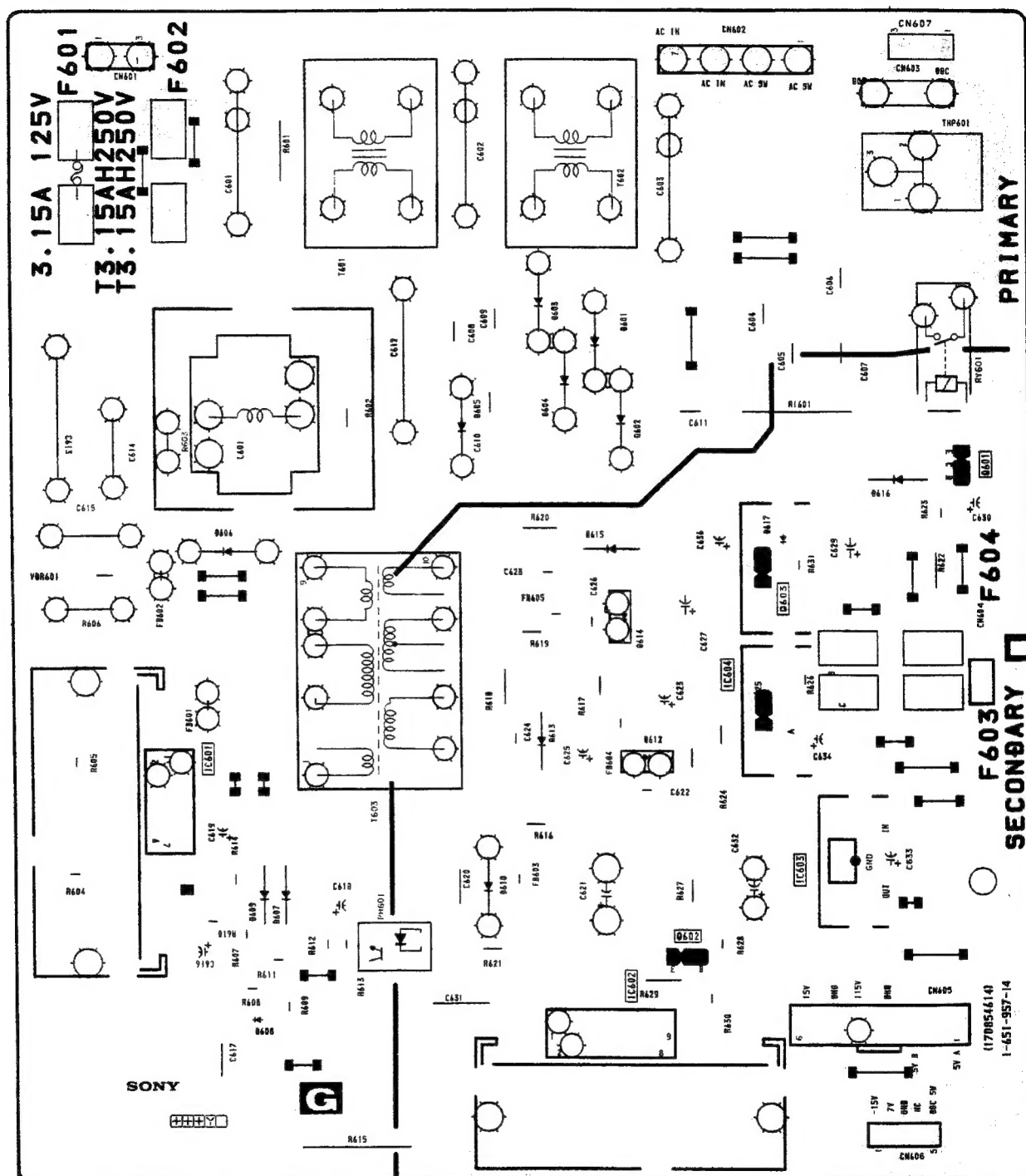
### **• INTRODUCTION**

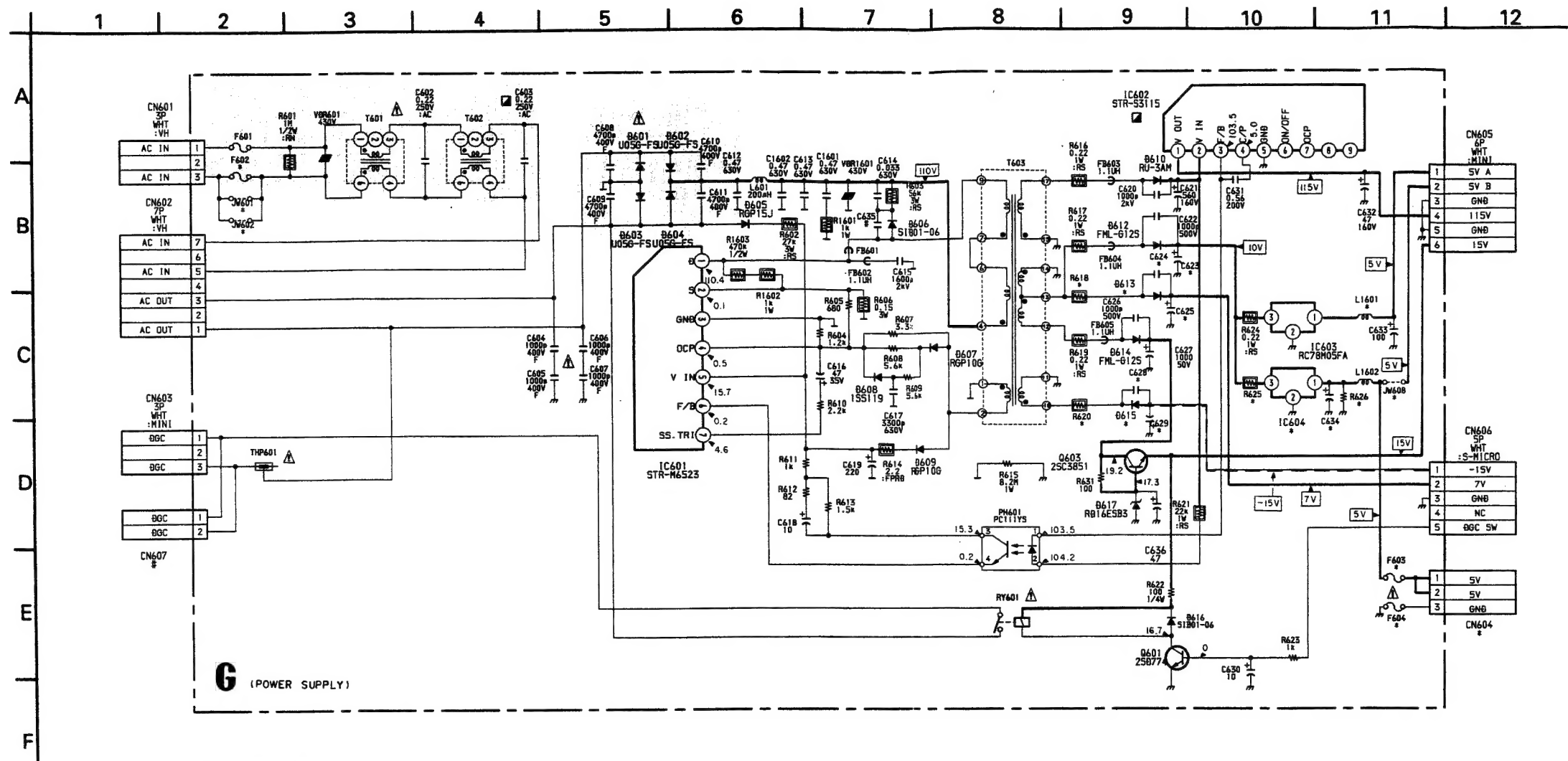
Set, having CE mark (Safety mark), have been applied to the above  
Serial No. and changed G Block.  
New G Block shows on next pages.





**- G BOARD -**





# G BOARD

IC601	REF PWM
IC602	+B CONTROL
IC603	+5V A REG
IC604	+5V B REG
Q601	RELAY DRIVE
Q603	+15V REG
D601	MAIN RECT
D602	MAIN RECT
D603	MAIN RECT
D604	MAIN RECT
D605	OVP
D606	PROTECT
D607	SWITCH
D608	SWITCH
D609	SWITCH
D610	+B RECT
D612	+12V RECT
D613	+7V RECT
D614	+15V RECT
D615	-15V RECT
D616	PROTECT
D617	REF VOLTEGE

#: not mounted

## (G MOUNT DPL)

PVM-1351Q	
PVM-1354Q	
PVM-1454QM	
PVM-1454PM	
PVM-1954Q	PVM-1350
PVM-2054QM	PVM-1450QM
C624	1000p 500V
C625	1000 25V
C628	1000p 500V
C629	1000 50V
C634	220
CN604	#
D613	RGP15J
D615	RGP15J
F602	#
F603	#
F604	#
IC604	MCT7805CT
JW601	12.5MM
JW602	12.5MM
JW608	10MM
R618	0.47 1/4W :FPRD
R620	0.47 1/4W :FPRD
R625	0.22 1W :RS
R625	470k 1/4W

The components identified by shading and mark  $\Delta$  are critical for safety. Replace only with part number specified.

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REF.NO.	PART NO.	DESCRIPTION	REMARK
*A-1316-213-A	G BOARD, COMPLETE (PVM-1351Q)	***** (PVM-1354Q)	
		(PVM-1954Q)	
		(PVM-1454PM)	
		(PVM-1454QM)	
		(PVM-2054QM)	
*A-1316-214-A	G BOARD, COMPLETE (PVM-1350)	***** (PVM-1450QM)	
<CAPACITOR>			
C602 $\Delta$	1-136-360-51	FILM 0.22MF 20% 250V	
C603 $\Delta$	1-136-360-51	FILM 0.22MF 20% 250V	
C604 $\Delta$	1-161-741-21	CERAMIC 0.001MF 10% 400V	
C605 $\Delta$	1-161-741-21	CERAMIC 0.001MF 10% 400V	
C606 $\Delta$	1-161-741-21	CERAMIC 0.001MF 10% 400V	
C607 $\Delta$	1-161-741-21	CERAMIC 0.001MF 10% 400V	
C608 $\Delta$	1-161-953-71	CERAMIC 0.0047MF 20% 400V	
C609 $\Delta$	1-161-953-71	CERAMIC 0.0047MF 20% 400V	
C610 $\Delta$	1-161-953-71	CERAMIC 0.0047MF 20% 400V	
C611 $\Delta$	1-161-953-71	CERAMIC 0.0047MF 20% 400V	
C612 $\Delta$	1-137-484-61	FILM 0.47MF 10% 630V	
C613	1-137-484-11	FILM 0.47MF 10% 630V	
C614	1-129-720-00	FILM 0.033MF 10% 630V	
C615	1-136-619-11	FILM 0.0016MF 3% 2KV	
C616	1-124-910-11	ELECT 47MF 20% 35V	
C617	1-136-557-11	FILM 0.0033MF 10% 630V	
C618	1-126-096-11	ELECT 10MF 20% 25V	
C619	1-124-911-11	ELECT 220MF 20% 50V	
C620	1-161-754-00	CERAMIC 0.001MF 10% 2KV	
C621	1-125-494-11	ELECT (BLOCK) 560MF 20% 160V	
C622	1-102-038-00	CERAMIC 0.001MF 20% 500V	
C623	1-126-944-11	ELECT 3300MF 20% 25V	
C624	1-102-038-00	CERAMIC 0.001MF 20% 500V	
C625	1-124-557-11	ELECT 1000MF 20% 25V	
C626	1-102-038-00	CERAMIC 0.001MF 20% 500V	
C627	1-124-922-11	ELECT 1000MF 20% 50V	
C628	1-102-038-00	CERAMIC 0.001MF 20% 500V	
C629	1-124-922-11	ELECT 1000MF 20% 50V	
C630	1-124-907-11	ELECT 10MF 20% 50V	
C631	1-136-853-11	FILM 0.56MF 5% 200V	
C632	1-124-562-11	ELECT 47MF 20% 160V	
C633	1-124-122-11	ELECT 100MF 20% 50V	
C634	1-124-911-11	ELECT 220MF 20% 50V	
C636	1-124-910-11	ELECT 47MF 20% 50V	
C1602	1-137-484-11	FILM 0.47MF 10% 630V	
<CONNECTOR>			
CN601	1-691-960-11	PIN, CONNECTOR (PC BOARD) 3P	
CN602	*1-695-561-11	PIN, CONNECTOR (PC BOARD) 7P	
CN603	*1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P	
CN604	*1-564-506-11	PLUG, CONNECTOR 3P	
CN605	*1-573-964-11	PIN, CONNECTOR (PC BOARD) 6P	
CN606	*1-564-508-11	PLUG, CONNECTOR 5P	
<DIODE>			
D601 $\Delta$	8-719-032-39	DIODE DSA3A4-F3	
D602 $\Delta$	8-719-032-39	DIODE DSA3A4-F3	
D603 $\Delta$	8-719-032-39	DIODE DSA3A4-F3	
D604 $\Delta$	8-719-032-39	DIODE DSA3A4-F3	
D605	8-719-971-65	DIODE RGP15J-6040	

REF.NO.	PART NO.	DESCRIPTION	REMARK
D606	8-719-300-33	DIODE RU-3AM	
D607	8-719-300-33	DIODE RU-3AM	
D608	8-719-911-19	DIODE 1SS119-25	
D609	8-719-300-33	DIODE RU-3AM	
D610	8-719-300-33	DIODE RU-3AM	
D612	8-719-045-48	DIODE FML-G12S	
D613	8-719-971-65	DIODE RGP15J-6040	
D614	8-719-045-48	DIODE FML-G12S	
D615	8-719-971-65	DIODE RGP15J-6040	
D616	8-719-300-33	DIODE RU-3AM	
D617	8-719-110-46	DIODE RD16ESB3	
<FUSE>			
F603 $\Delta$	1-532-742-11	FUSE, GLASS TUBE 1.6A/125V	
	1-533-189-11	HOLDER, FUSE	
F604 $\Delta$	1-532-742-11	FUSE, GLASS TUBE 1.6A/125V	
	1-533-189-11	HOLDER, FUSE	
<FERRITE BEAD>			
FB601	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH	
FB602	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH	
FB603	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH	
FB604	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH	
FB605	1-410-396-41	FERRITE BEAD INDUCTOR 0.45UH	
<IC>			
IC601	8-749-924-69	IC STR-M6523	
	4-382-854-11	SCREW (M3X10), P. SW (+); IC601	
IC602	8-749-010-47	IC STR-S3115	
	4-382-854-11	SCREW (M3X10), P. SW (+); IC602	
IC603	8-759-701-56	IC NJM78M05FA	
	4-382-854-11	SCREW (M3X10), P. SW (+); IC603	
IC604	8-759-231-53	IC TA7805S	
	4-382-854-11	SCREW (M3X10), P. SW (+); IC604	
<JUMPER>			
JW609	1-410-679-31	INDUCTOR 270UH (PVM-1353MD)	
<COIL>			
L601	1-411-215-11	COIL, CHOKE 200UH	
L1601	1-410-679-31	INDUCTOR 270UH (PVM-1453MD)	
L1602	1-421-421-00	COIL, CHOKE	
<PHOTO COUPLER>			
PH601	8-749-923-50	PHOTO COUPLER PC111YS	
<TRANSISTOR>			
Q601	8-729-140-96	TRANSISTOR 2SD774-34	
Q603	8-729-303-61	TRANSISTOR 2SC3851-G	
	4-382-854-11	SCREW (M3X10), P. SW (+); Q603	
<RESISTOR>			
R601 $\Delta$	1-202-885-91	SOLID 1M 20% 1/2W	
R602	1-216-489-11	METAL OXIDE 27K 5% 3W F	

## PVM-1350/1351Q/1354Q

G

G

REF.NO.	PART NO.	DESCRIPTION	REMARK
R603	1-216-491-11	METAL OXIDE 56K 5% 3W F	
R604	1-249-418-11	CARBON 1.2K 5% 1/4W	
R605	1-249-415-11	CARBON 680 5% 1/4W	
R606	1-207-642-00	WIREWOUND 0.15 10% 3W F	
R607	1-249-423-11	CARBON 3.3K 5% 1/4W	
R608	1-249-426-11	CARBON 5.6K 5% 1/4W	
R609	1-249-426-11	CARBON 5.6K 5% 1/4W	
R610	1-249-421-11	CARBON 2.2K 5% 1/4W	
R611	1-249-417-11	CARBON 1K 5% 1/4W	
R612	1-249-404-00	CARBON 82 5% 1/4W	
R613	1-249-419-11	CARBON 1.5K 5% 1/4W	
R614	1-249-385-11	CARBON 2.2 5% 1/4W F	
R615	1-218-265-11	METAL 8.2M 5% 1W	
R616	1-216-341-11	METAL OXIDE 0.22 5% 1W F	
R617	1-216-341-11	METAL OXIDE 0.22 5% 1W F	
R618	1-249-443-11	CARBON 0.47 5% 1/4W F	
R619	1-216-341-11	METAL OXIDE 0.22 5% 1W F	
R620	1-249-443-11	CARBON 0.47 5% 1/4W F	
R621	1-215-877-11	METAL OXIDE 22K 5% 1W F	
R622	1-247-700-11	CARBON 100 5% 1/4W	
R623	1-249-417-11	CARBON 1K 5% 1/4W	
R624	1-216-341-11	METAL OXIDE 0.22 5% 1W F	
R625	1-216-341-11	METAL OXIDE 0.22 5% 1W F	
R626	1-247-895-00	CARBON 470K 5% 1/4W	
R631	1-247-807-31	CARBON 100 5% 1/4W	
R1602	1-215-869-11	METAL OXIDE 1K 5% 1W F	
R1603	1-202-846-00	SOLID 470K 20% 1/2W	
<RELAY>			
RY601 $\Delta$	1-515-738-11	RELAY	
<TRANSFORMER>			
T601 $\Delta$	1-426-716-11	TRANSFORMER, LINE FILTER (LFT)	
T602 $\Delta$	1-426-716-11	TRANSFORMER, LINE FILTER (LFT)	
T603	1-427-885-11	TRANSFORMER, CONVERTER (SRT)	
<THERMISTOR>			
THP601 $\Delta$	1-808-059-32	THERMISTOR, POSITIVE	
<VARISTOR>			
VDR601 $\Delta$	1-809-942-71	VARISTOR	
*****			

The components identified by shading and mark  $\Delta$  are critical for safety. Replace only with part number specified.

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9-978-399-81

Sony Corporation  
B & I Systems Company

English  
95E24059-1  
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The components identified by shading and mark  $\Delta$  are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque  $\Delta$  sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

PVM-1350/1351Q/1354Q

REF. NO.	PART NO.	DESCRIPTION	REMARK	REF. NO.	PART NO.	DESCRIPTION	REMARK
<SWITCH>				*****			
S601	$\Delta$ 1-692-921-11	SWITCH, PUSH (A.C. POWER)		MISCELLANEOUS			
*****				*****			
	*A-1390-390-A	X BOARD, COMPLETE (PVM-1351Q/1354Q)		$\Delta$ 1-426-442-21		COIL, DEMAGNETIZATION	
*****				$\Delta$ 1-451-329-11		DEFLECTION YOKE (Y14F7A)	
<CONNECTOR>				$\Delta$ 1-532-746-11		FUSE, GLASS TUBE (4.0A/125V)	
CN108	*1-564-518-11	PLUG, CONNECTOR 3P		1-537-735-11		TERMINAL BOARD ASSY, I/O (A)	(PVM-1351Q/1354Q)
<DIODE>				1-537-735-21		TERMINAL BOARD ASSY, I/O (B) (PVM-1350)	
D001	8-719-023-78	DIODE SEL3810DLC05		1-544-063-12		SPEAKER	
D002	8-719-023-78	DIODE SEL3810DLC05		V901 $\Delta$ 8-734-822-05		PICTURE TUBE (M34KBE20X) (PVM-1354Q)	
D003	8-719-023-78	DIODE SEL3810DLC05		$\Delta$ 8-736-255-05		PICTURE TUBE (A34JHS12X) (PVM-1350/1351Q)	
D004	8-719-023-78	DIODE SEL3810DLC05		*****			
*****				ACCESSORIES AND PACKING MATERIALS			
	*A-1390-391-A	S BOARD, COMPLETE		*****			
<CAPACITOR>				$\Delta$ 1-551-812-11		CORD, POWER (7.0A/125V)	
C805	1-102-978-00	CERAMIC	220PF 5% 50V	1-765-268-11		CORD, CONNECTION (PVM-1351Q/1354Q)	
C806	1-136-165-00	FILM	0.1MF 5% 50V	2-990-242-01		HOLDER (B), PLUG	
C807	1-130-477-00	MYLAR	0.0033MF 5% 50V	3-758-528-21		MANUAL, INSTRUCTION (PVM-1350)	
C810	1-136-165-00	FILM	0.1MF 5% 50V	3-758-531-21		MANUAL, INSTRUCTION (PVM-1351Q/1354Q)	
C811	1-136-165-00	FILM	0.1MF 5% 50V	*4-043-759-01		INDIVIDUAL CARTON (PVM-1350)	
C812	1-136-175-00	FILM	0.068MF 5% 50V	*4-043-760-01		INDIVIDUAL CARTON (PVM-1354Q)	
C813	1-124-907-11	ELECT	10MF 20% 50V	*4-043-761-01		INDIVIDUAL CARTON (PVM-1354Q)	
C818	1-136-165-00	FILM	0.1MF 5% 50V	*4-043-762-01		CUSHION (UPPER) (ASSY)	
<CONNECTOR>				*4-043-763-01		CUSHION (LOWER) (ASSY)	
CN801	*1-565-489-11	CONNECTOR, BOARD TO BOARD 13P		4-044-040-01		LABEL, TALLY (PVM-1351Q/1354Q)	
<IC>				*4-381-155-01		BAG, PROTECTION	
IC801	8-759-084-09	IC Z8612812PSC					
<COIL>							
L801	1-410-470-11	INDUCTOR	10UH				
<RESISTOR>							
R802	1-249-435-11	CARBON	33K 5% 1/4W				
R803	1-249-433-11	CARBON	22K 5% 1/4W				
R804	1-215-454-00	METAL	24K 1% 1/4W				
R805	1-215-461-00	METAL	47K 1% 1/4W				
R808	1-249-417-11	CARBON	1K 5% 1/4W				
R812	1-249-417-11	CARBON	1K 5% 1/4W				
R813	1-249-417-11	CARBON	1K 5% 1/4W				
R815	1-249-423-11	CARBON	3.3K 5% 1/4W				
R816	1-249-418-11	CARBON	1.2K 5% 1/4W				
R817	1-249-418-11	CARBON	1.2K 5% 1/4W				
R818	1-249-418-11	CARBON	1.2K 5% 1/4W				
R819	1-249-418-11	CARBON	1.2K 5% 1/4W				
R820	1-249-422-11	CARBON	2.7K 5% 1/4W				